



April 25, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 7-19-9-16, 10-19-9-16, 11-19-9-16, 14-19-9-16, 15-19-9-16, 16-19-9-16, 15-21-9-16, 16-21-9-16, 10-22-9-16, and 15-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 11-19-9-16, 14-19-9-16, 10-22-9-16, and 15-22-9-16 are all Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
APR 26 2006
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
UTU-74391

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
N/A

8. Lease Name and Well No.
Federal 11-19-9-16

9. API Well No.
43-013-33160

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NE/SW Sec. 19, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NE/SW 1778' FSL 2197' FWL 571470X 40.014134
At proposed prod. zone 4429452Y -110.162579

14. Distance in miles and direction from nearest town or post office*
Approximatley 14.9 miles southwest of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) Approx. 862' f/lse, NA f/unit

16. No. of Acres in lease
2139.50

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. Approx. 1387'

19. Proposed Depth
6000'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6199' GL

22. Approximate date work will start*
3rd Quarter 2006

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
Mandie Crozier
Title
Regulatory Specialist

Name (Printed/Typed)
Mandie Crozier

Date
4/25/06

Approved by (Signature)
Bradley G. Hill
Title
Environmental Manager

Name (Printed/Typed)
BRADLEY G. HILL
Office
ENVIRONMENTAL MANAGER

Date
06-08-06

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action Is Necessary

RECEIVED

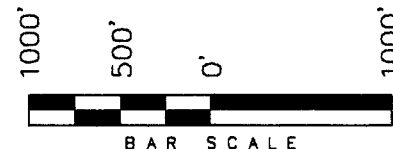
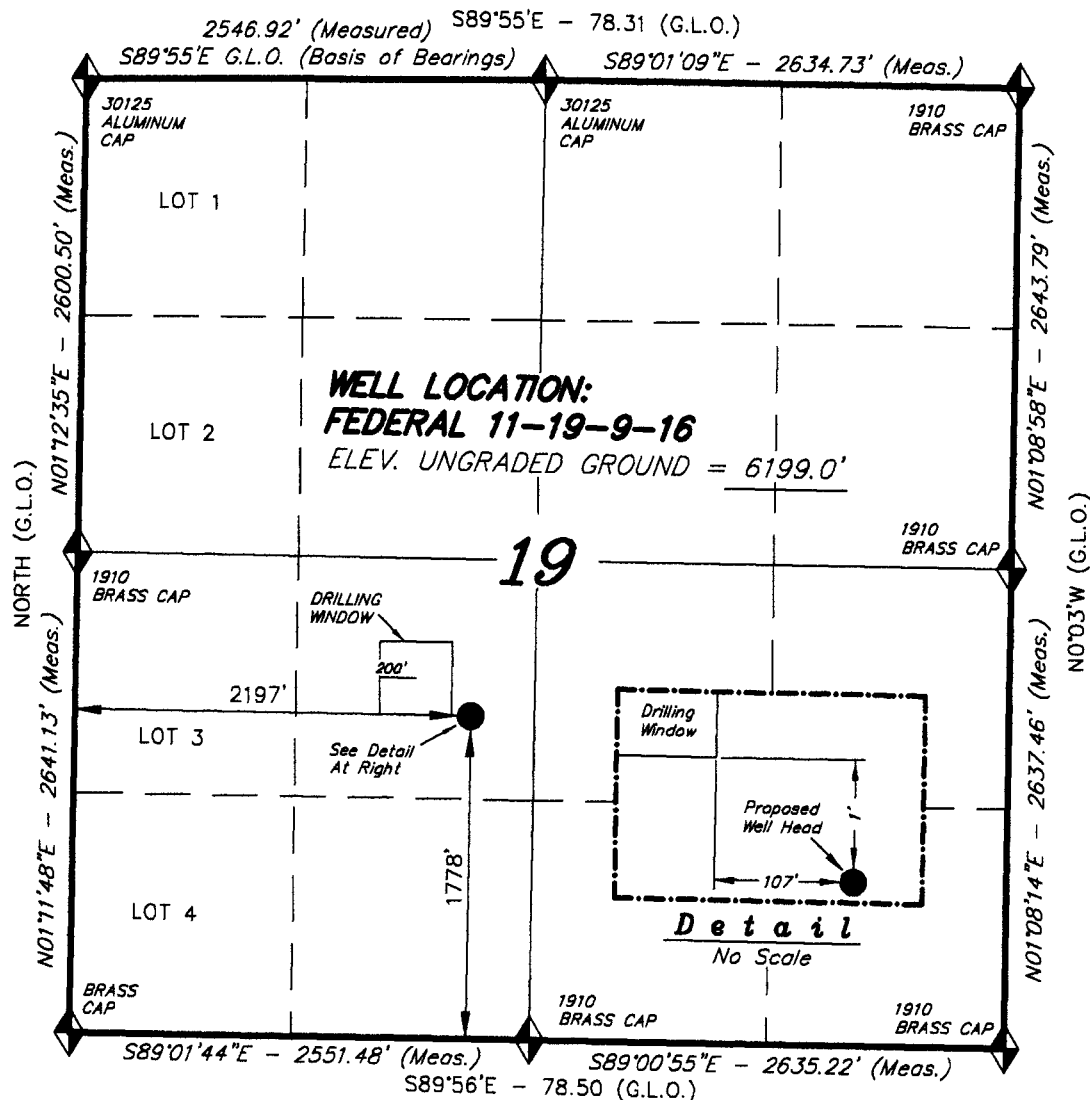
APR 26 2006

DIV. OF OIL, GAS & MINING

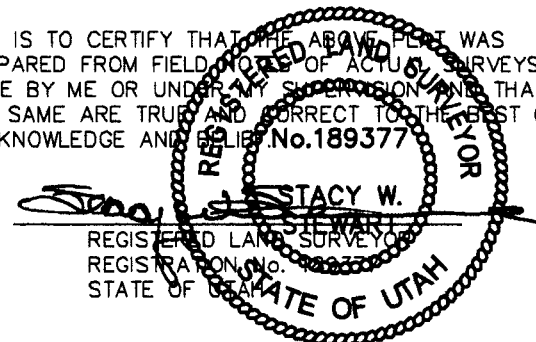
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, FEDERAL 11-19-9-16,
LOCATED AS SHOWN IN THE NE 1/4 SW
1/4 OF SECTION 19, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 4-3-06	SURVEYED BY: C.M.
DATE DRAWN: 4-10-06	DRAWN BY: M.W.
REVISED: 04-21-06 F.T.M.	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

FEDERAL 11-19-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 50.54"
LONGITUDE = 110° 09' 48.01"

**NEWFIELD PRODUCTION COMPANY
FEDERAL #11-19-9-16
NE/SW SECTION 19, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2250'
Green River	2250'
Wasatch	6000'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2250' – 6000' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
FEDERAL #11-19-9-16
NE/SW SECTION 19, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #11-19-9-16 located in the NE 1/4 SW 1/4 Section 19, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 12.0 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 0.4 miles \pm to it's junction with the beginning of the proposed access road; proceed along the proposed access road - 0.9 miles \pm passing the 15-19-9-16 location to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Olive Black.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #11-19-9-16 Newfield Production Company requests a 470' ROW be granted in Lease UTU-64379 and 4000' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 470' ROW in Lease UTU-64379 and 4000' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests a 470' ROW in Lease UTU-64379 and 4000' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Exceptional Spacing

According to Rule R649-3-2, which governs the location of wells in the State of Utah, Newfield Production is required to request administrative approval for a location exception from all non-unitized lease interest owners within a 460-foot radius of the new proposed location. Our Land Department in Denver has been notified of this exception location and will submit the required Exception Location Letter to all affected lease interest owners.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the

produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

Details of the On-Site Inspection

The proposed Federal #11-19-9-16 was on-sited on 3/17/06. The following were present: Shon Mckinnon (Newfield Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

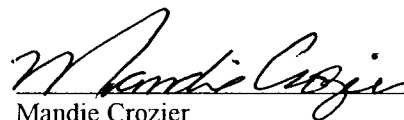
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #11-19-9-16 NE/SW Section 19, Township 9S, Range 16E: Lease UTU-74391 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and

subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4/25/06

Date

A handwritten signature in black ink, appearing to read "Mandie Crozier", written over a horizontal line.

Mandie Crozier

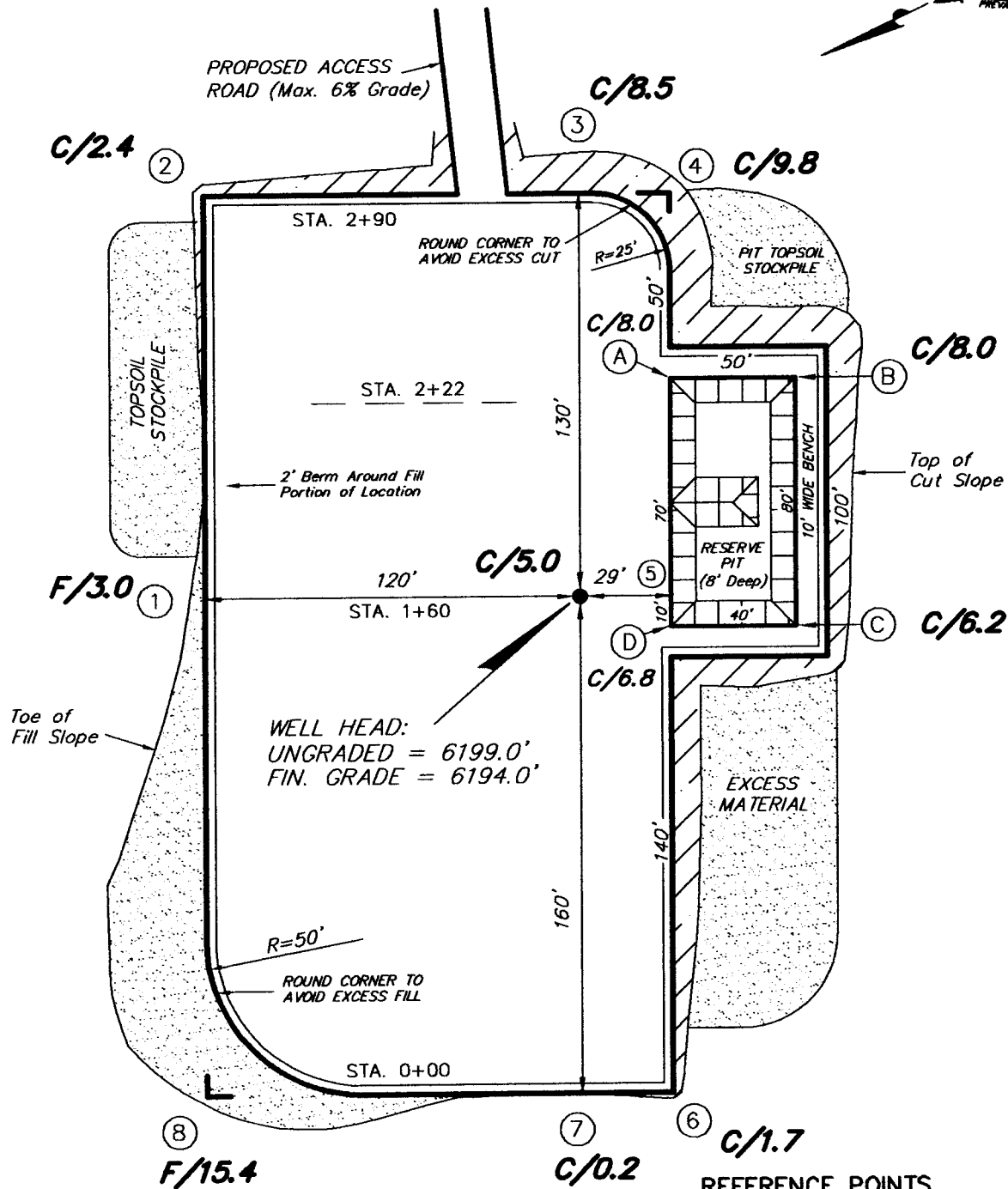
Regulatory Specialist

Newfield Production Company

NEWFIELD PRODUCTION COMPANY

FEDERAL 11-19-9-16

Section 19, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

210' NORTHWESTERLY = 6184.6'
 260' NORTHWESTERLY = 6174.5'
 170' NORTHEASTERLY = 6187.6'
 220' NORTHEASTERLY = 6179.4'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 04-21-06

Tri State
 Land Surveying, Inc.

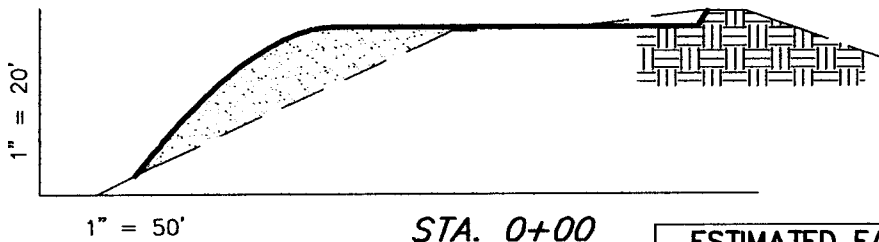
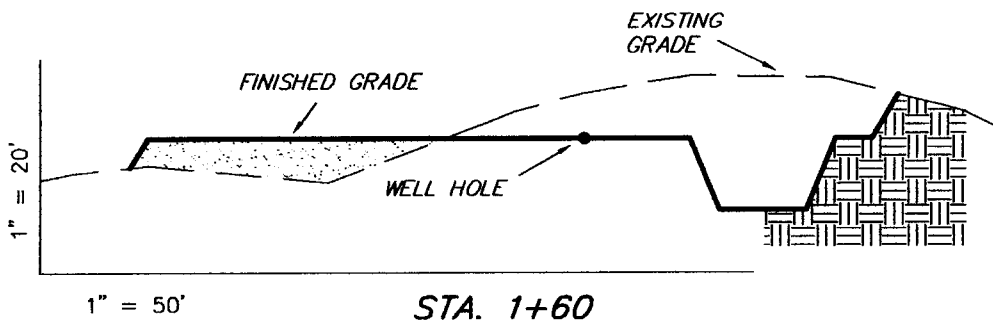
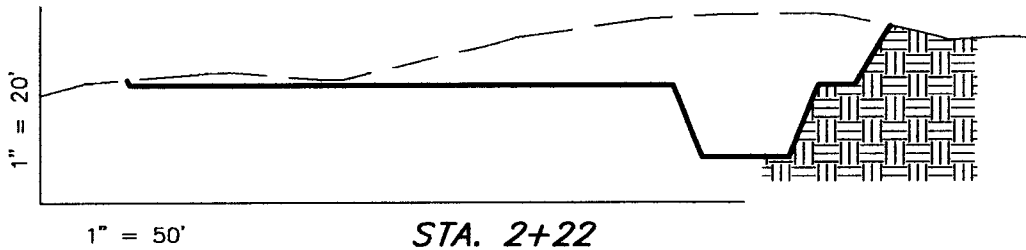
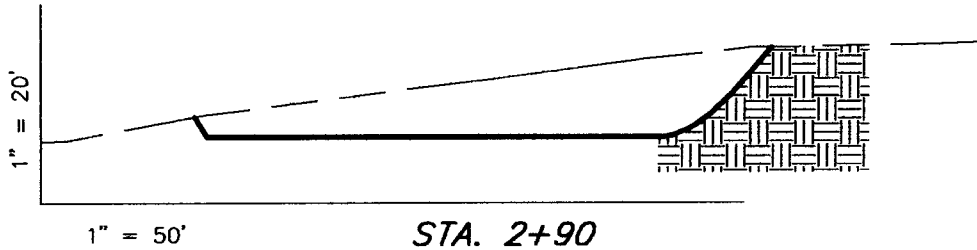
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

FEDERAL 11-19-9-16



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,020	5,020	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	5,660	5,020	1,060	640

SURVEYED BY: C.M.

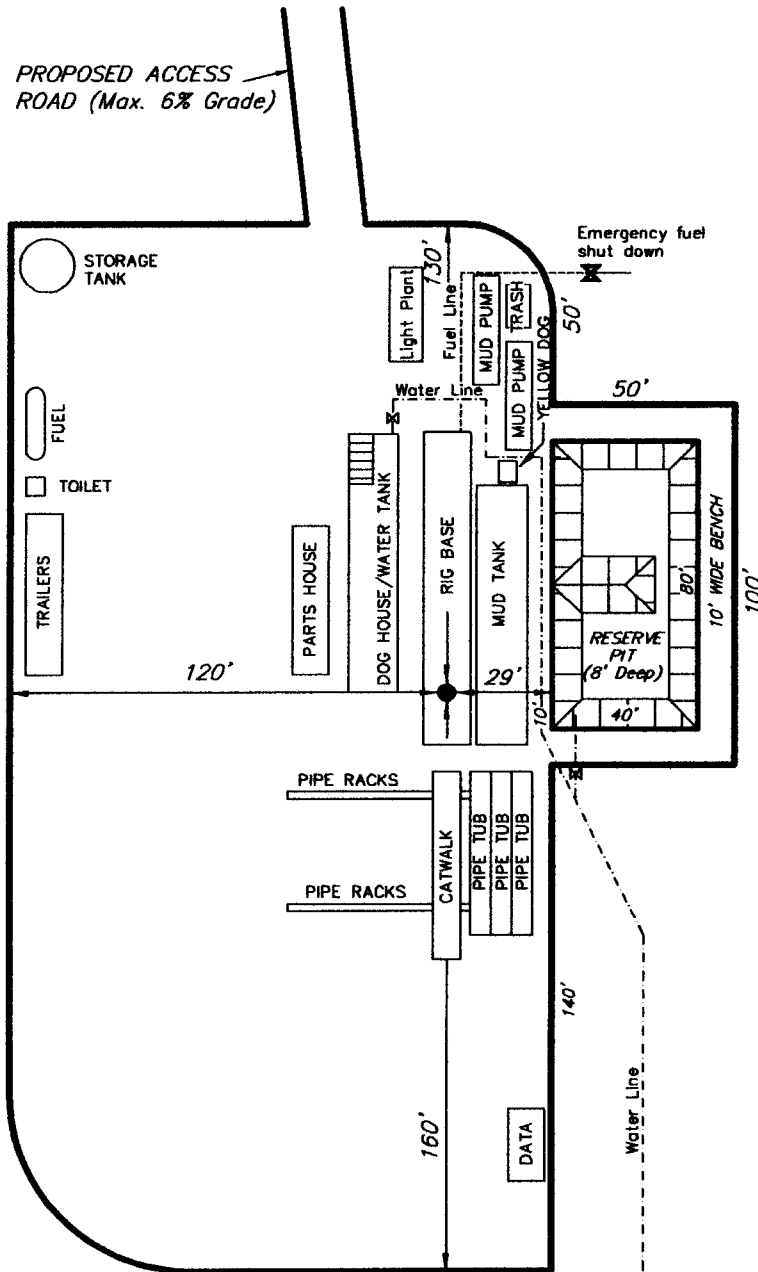
SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 04-21-06

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
FEDERAL 11-19-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 04-21-06

Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501

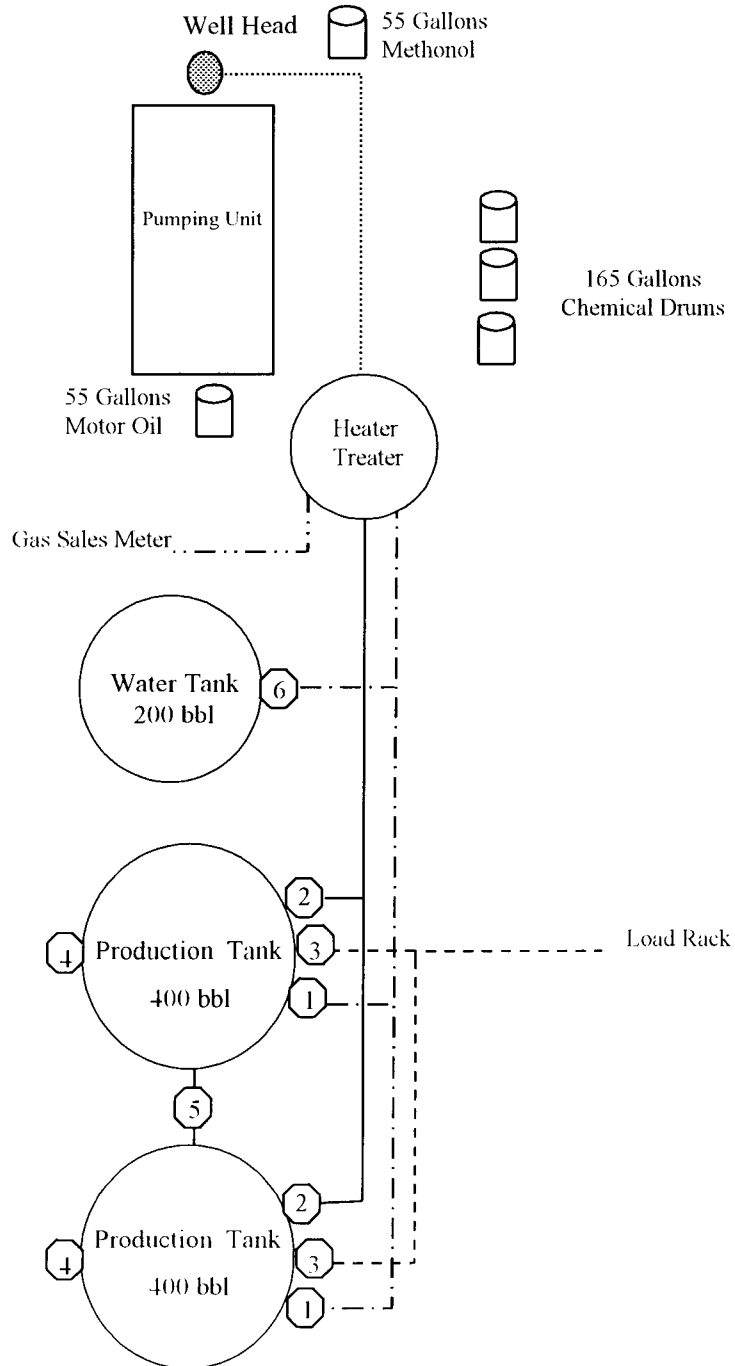
Newfield Production Company Proposed Site Facility Diagram

Federal 11-19-9-16

NE/SW Sec. 19, T9S, 16E

Duchesne County, Utah

UTU-74391



Legend

Emulsion Line
Load Rack	-----
Water Line	- - - - -
Gas Sales
Oil Line	—————

Production Phase:

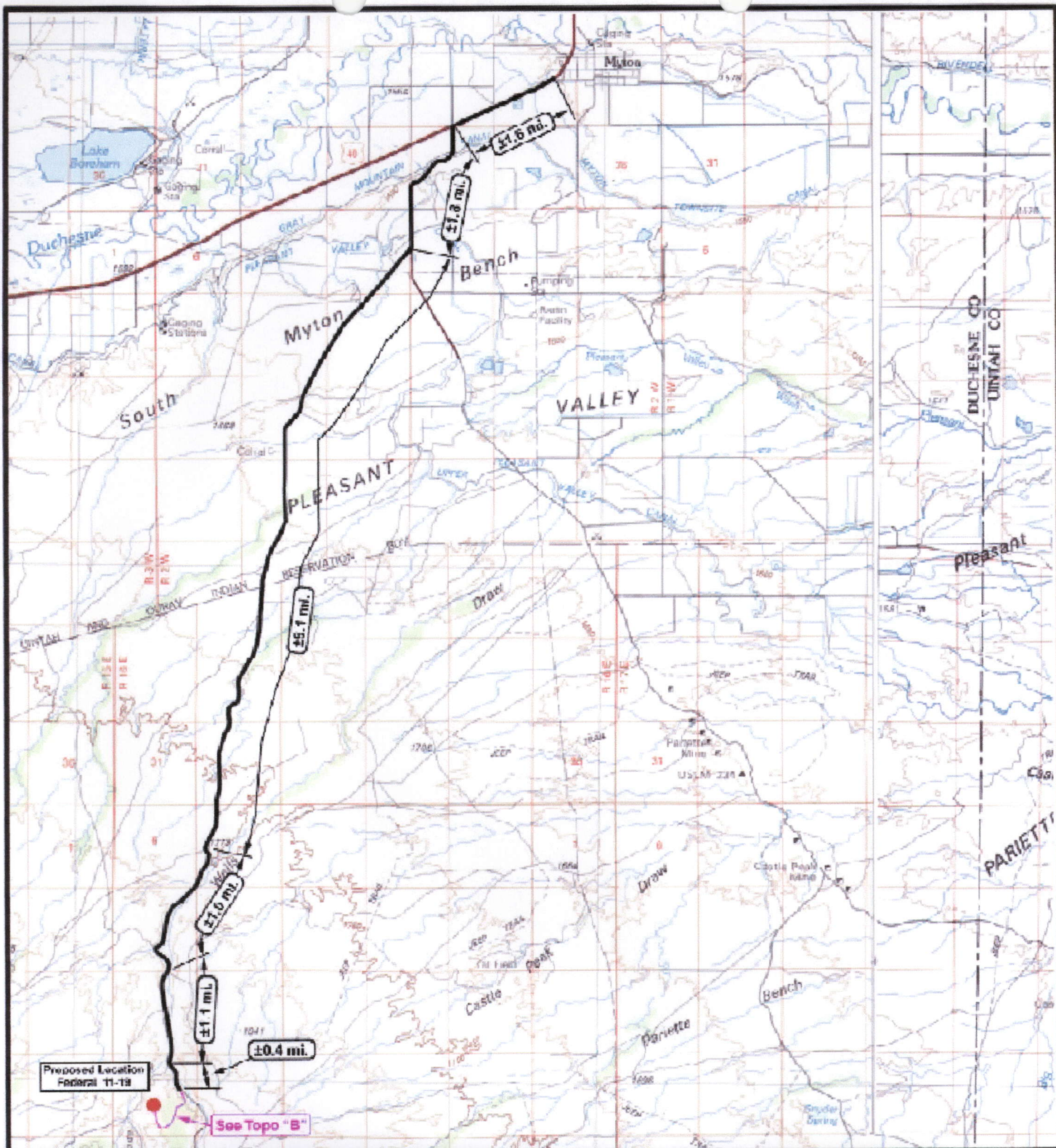
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open


Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

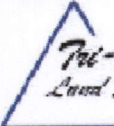
- 1) Valves 1 and 6 open





NEWFIELD
Exploration Company

Federal 11-19-9-16
SEC. 19, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 701-2501
100 North Vernal Ave. Vernal, Utah 84079

SCALE: 1 = 100,000

DRAWN BY: mww

DATE: 04-13-2006

Legend


Existing Road

Proposed Access

TOPOGRAPHIC MAP

"A"





NEWFIELD
Exploration Company

Federal 11-19-9-16
SEC. 19, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781 3601
120 North Vermont Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mww

DATE: 04-13-2006

Legend


Existing Road

Proposed Access

TOPOGRAPHIC MAP

"B"





NEWFIELD
Exploration Company

Federal 11-19-9-16
SEC. 19, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781 3601
150 North Vermont Ave. TORRIS, UTAH 84078

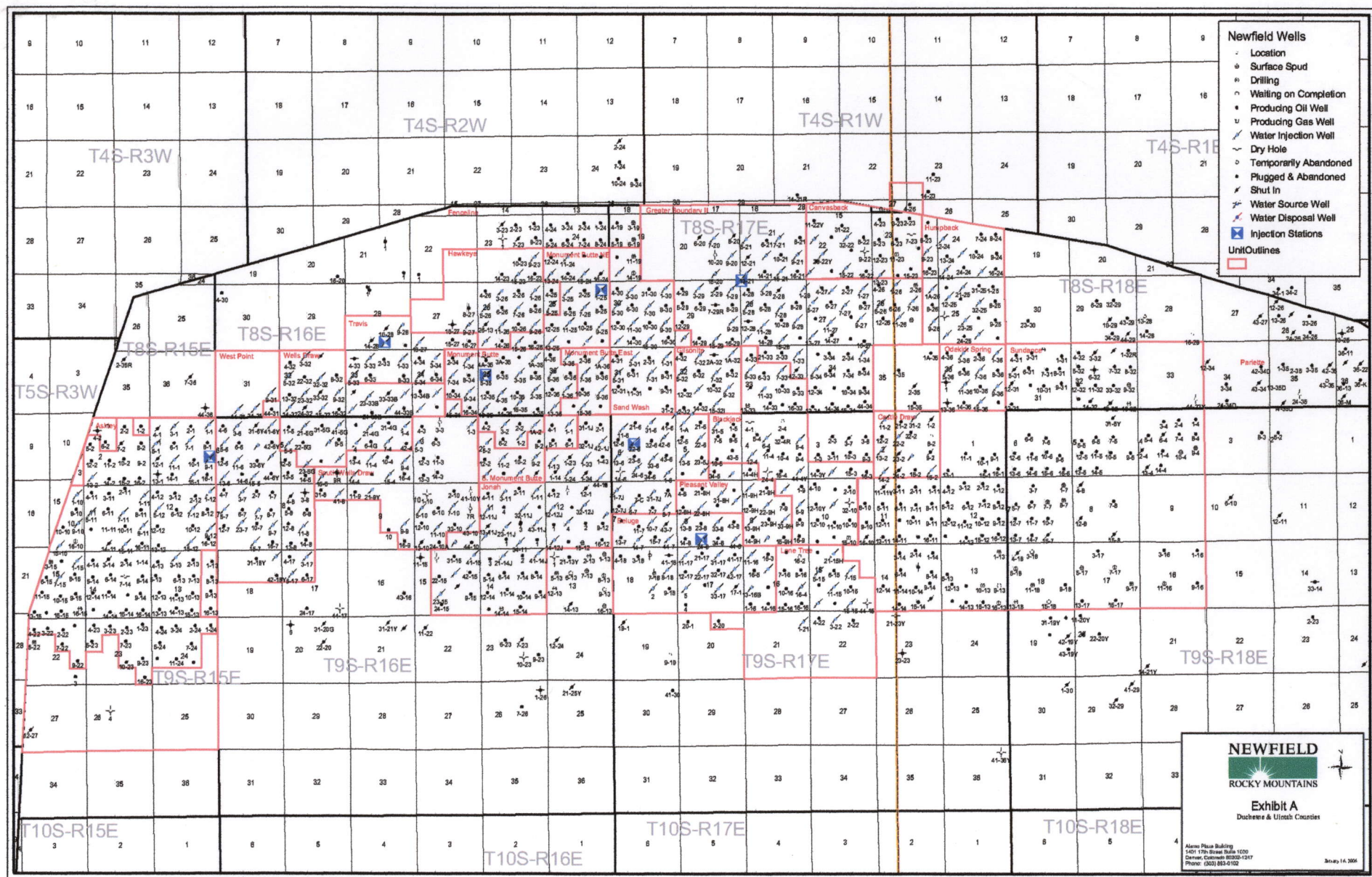
SCALE: 1" = 2000'
DRAWN BY: mww
DATE: 04-13-2006

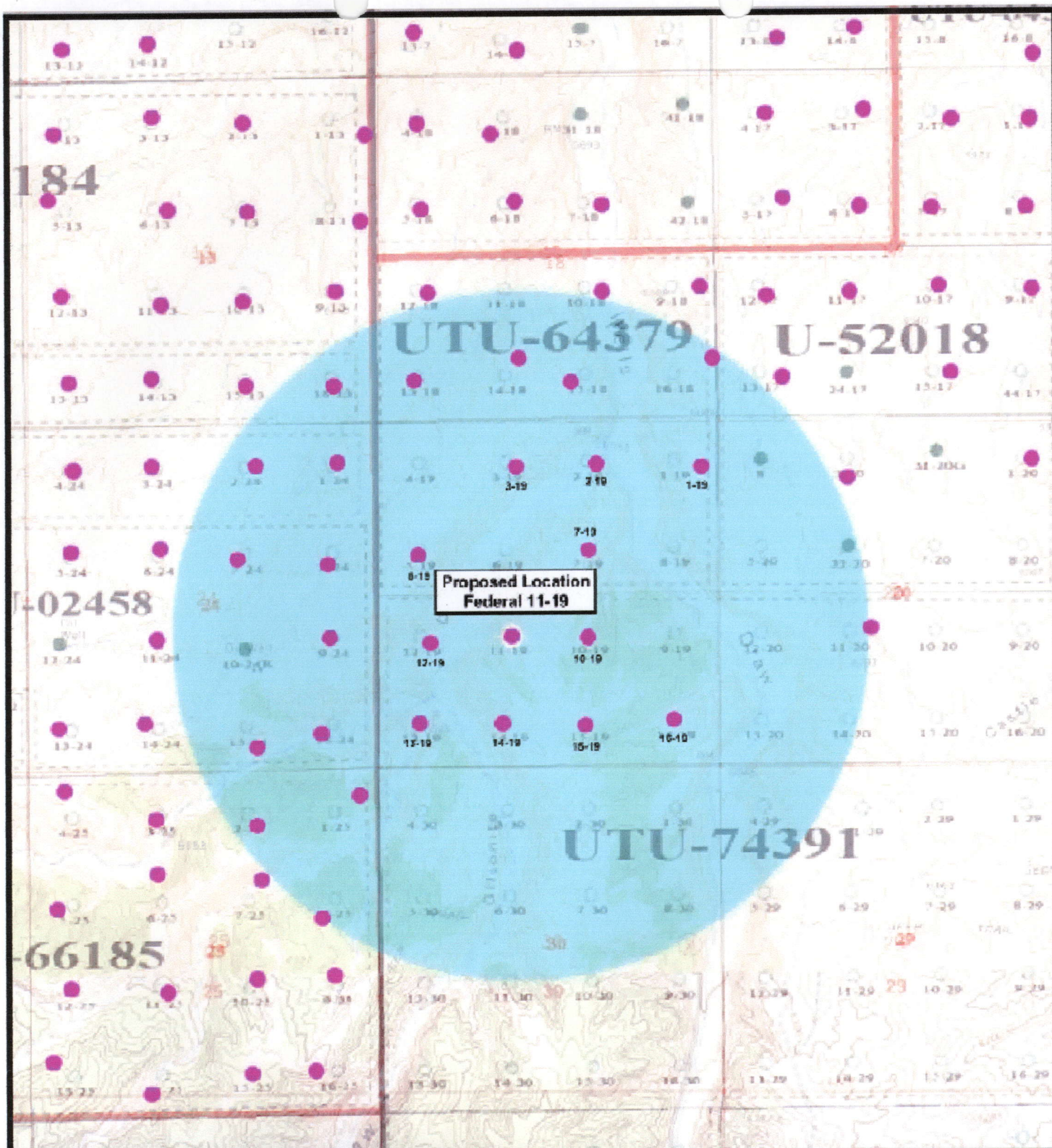
Legend




— Roads
- - - Proposed Gas Line
- - - Proposed Water Line

TOPOGRAPHIC MAP

"C"





 <p>NEWFIELD Exploration Company</p>		 <p>Tri-State Land Surveying Inc. (435) 781-2501 186 North Vernal Ave. Vernal, Utah 84078</p>	<p>Legend</p> <ul style="list-style-type: none"> Well Locations One-Mile Radius
<p>Federal 11-19-9-16 SEC. 19, T9S, R16E, S.L.B.&M.</p>		<p>SCALE: 1" = 2,000'</p> <p>DRAWN BY: MW</p> <p>DATE: 04-13-2006</p>	<p>Exhibit "B"</p>

2-M SYSTEM

Blowout Prevention Equipment Systems

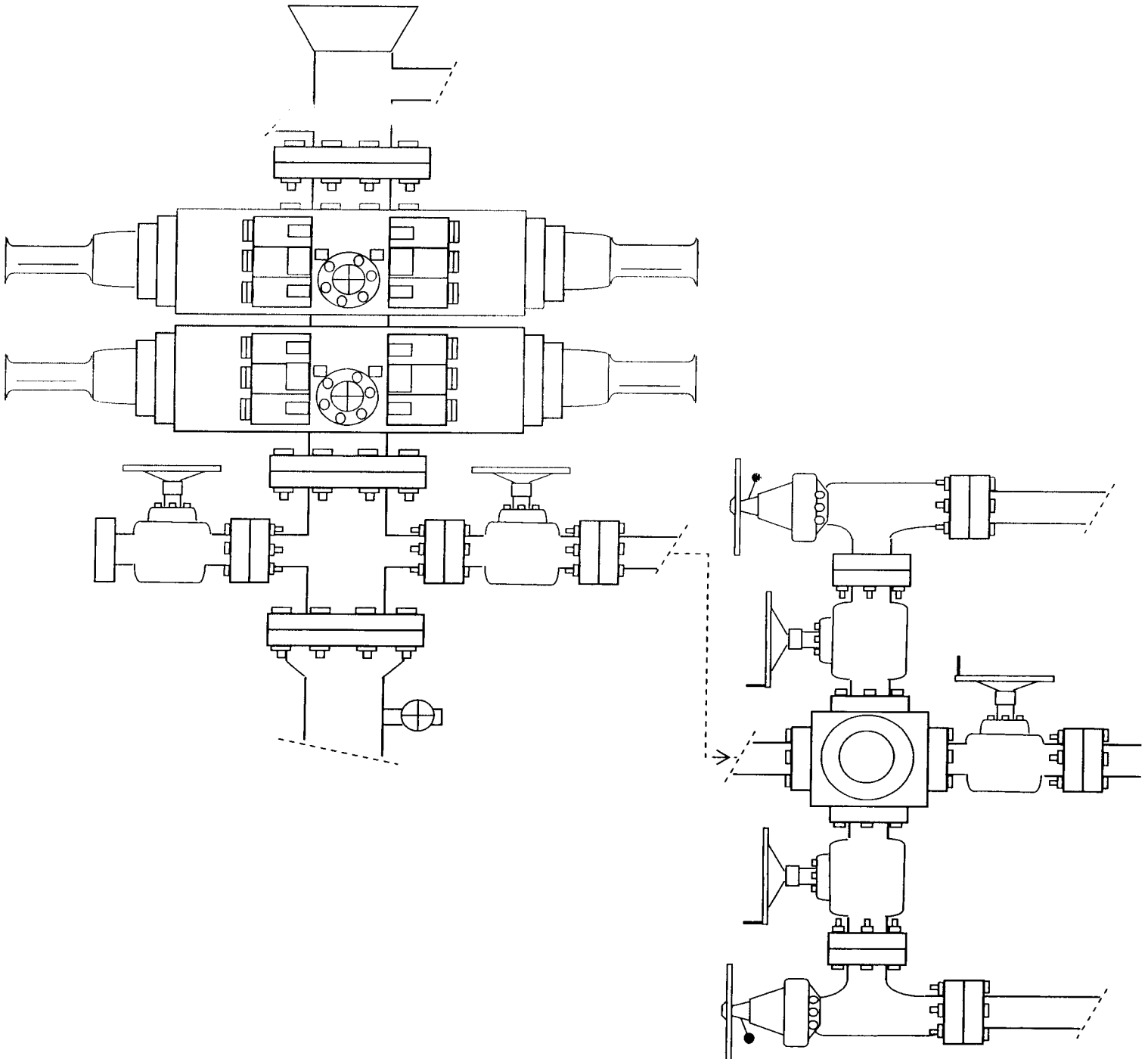


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S BLOCK PARCEL
IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20,
DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 05-225

July 13, 2005

United States Department of Interior (FLPMA)
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0668b

NEWFIELD PRODUCTION COMPANY

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/26/2006

API NO. ASSIGNED: 43-013-33160

WELL NAME: FEDERAL 11-19-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 19 090S 160E

SURFACE: 1778 FSL 2197 FWL

BOTTOM: 1778 FSL 2197 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01413 LONGITUDE: -110.1626

UTM SURF EASTINGS: 571470 NORTHINGS: 4429452

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74391

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit

(No. MUNICIPAL)

☒ RDCC Review (Y/N)

(Date: _____)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

R649-2-3.

Unit: _____

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☒ R649-3-3. Exception !

Drilling Unit

Board Cause No: _____

Eff Date: _____

Siting: _____

R649-3-11. Directional Drill

COMMENTS:

See Separate File

STIPULATIONS:

1- Federal Approval
2- Spacing Strip

T9S R15E T9S R16E

MONUMENT BUTTE FIELD

19

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 19 T. 9S R. 16E

FIELD: MONUMENT BUTT (105)

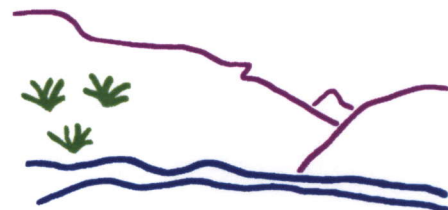
COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status
 ABANDONED
 ACTIVE
 COMBINED
 INACTIVE
 PROPOSED
 STORAGE
 TERMINATED

Unit Status
 EXPLORATORY
 GAS STORAGE
 NF PP OIL
 NF SECONDARY
 PENDING
 PI OIL
 PP GAS
 PP GEOTHERML
 PP OIL
 SECONDARY
 TERMINATED

Wells Status
 GAS INJECTION
 GAS STORAGE
 LOCATION ABANDONED
 NEW LOCATION
 PLUGGED & ABANDONED
 PRODUCING GAS
 PRODUCING OIL
 SHUT-IN GAS
 SHUT-IN OIL
 TEMP. ABANDONED
 TEST WELL
 WATER INJECTION
 WATER SUPPLY
 WATER DISPOSAL
 DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
 DATE: 27-APRIL-2006

RECEIVED

APR 26 2006

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

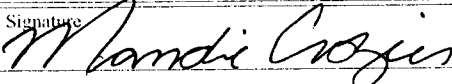
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74391
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 11-19-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SW 1778' FSL 2197' FWL At proposed prod. zone		9. API Well No. 43-013-33160
14. Distance in miles and direction from nearest town or post office* Approximately 14.9 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 862' f/lease, NA f/unit	16. No. of Acres in lease 2139.50	11. Sec., T., R., M., or Bk. and Survey or Area NE/SW Sec. 19, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1387'	17. Spacing Unit dedicated to this well 40 Acres	12. County or Parish Duchesne
19. Proposed Depth 6000'	20. BLM/BIA Bond No. on file UTB000192	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6199' GL	22. Approximate date work will start* 3rd Quarter 2006	23. Estimated duration Approximately seven (7) days from start to rig release.

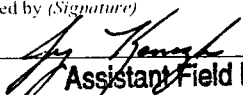
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/25/06
--	--	-----------------

Title
Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) JERRY KEVAKA	Date 3-2-2007
--	--------------------------------------	------------------

Title
Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

MAR 06 2007 NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

UDOGM

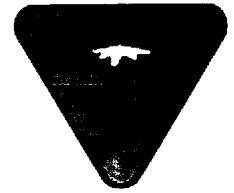
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07BM4657A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Federal 11-19-9-16
API No: 43-013-33160

Location: NESW, Sec 19, T9S, R16E
Lease No: UTU-74391
Agreement: N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|---|--|
| Location Construction
(Notify Chuck Macdonald) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Chuck Macdonald) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

LEASE STIPULATIONS AND NOTICES

- **Wildlife:**
 - 1) No surface occupancy is allowed (does not apply to casual use) within ½ mile of golden eagle nests which have been active within the past two years. This restriction will not apply to maintenance and operation of existing programs and facilities. It will not apply if impacts can be mitigated through other management actions or site specific analysis of terrain features. Protection of golden eagle nest sites as described in the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of this stipulation see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)
 - 2) There are three Golden Eagle nests next to each other and are located 0.25 miles east of the proposed access road, but are not in line-of-site. **With this occurrence there will be a time restriction to protect Golden Eagle nesting from February 1 – July 15.**
 - 3) **No surface use is allowed within crucial deer and elk winter range during December 1 – April 30.** This stipulation does not apply to operation and maintenance of production facilities or if animals are not present. Preventing adverse impacts that would cause significant impacts that would cause significant displacements of deer or elk herds or loss of habitat as described by the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or regulatory provisions for such changes.

Lease Notices from Resource Management Plan-Wildlife:

The lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and CFR 3101.1-2.

Comments- Wildlife:

1. **No Surface Occupancy (NSO) does not apply to the Golden Eagle stipulation because the nest is not in line-of-site within 0.5 miles from the proposed location or the proposed access road.**
2. The proposed location is within crucial deer and elk habitat.
3. If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be

recommended or granted (depending on the species being surveyed and the condition of the habitat).

CONDITIONS OF APPROVAL

- **ROW (Right of Way):**
Access roads will be Crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet during construction.
Construction of gas pipelines. The disturbed area will be 50 feet wide to allow for construction of a surface 6" gas gathering line, and a surface 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure.
Construction of water pipelines. Water pipelines will be buried 4 to 5 feet deep to avoid freezing. The disturbed area will be 50 feet wide to allow for construction and 30 feet wide for operations. Buried water pipelines will be 3" steel water injection line and a 3" poly water return line.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the

Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.

- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Trees and woody debris must be removed from the site and piled separately off site and saved for final reclamation. During final reclamation the trees and woody debris will be drug back over the recontoured and seeded areas, and spread evenly across the site. Trees and woody debris will not account for more than 20% of the total surface area of the site.
- The interim seed mix for this location shall be:

Needle and Threadgrass (<i>Hesperostipa comata</i>):	4 lbs/acre
Indian Ricegrass (<i>Achnatherum hymenoides</i>):	4 lbs/acre
Shadscale (<i>Atriplex confertifolia</i>)	4 lbs/acre
Scarlet Globemallow (<i>Sphaeralcea coccinea</i>)	1 lbs/acre

 - All pounds are in pure live seed.
 - Rates are set for drill seeding; double the rate if broadcasting.
 - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Olive Black.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. Production casing cement shall be brought up and into the surface.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellologs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.
15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



June 1, 2006,

Utah Division of Oil, Gas & Mining
P.O. Box 145801
Attn: Diana Whitney
Salt Lake City, Utah 84114-5801

Re: Exception Locations:
Federal 11-19-9-16; Federal 14-19-9-16; UTU-74391
Federal 10-22-9-16; Federal 15-22-9-16; UTU-74392
Duschene Cty., Utah

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

Federal 11-19-9-16; 1778' FSL, 2197' FWL; 1' South, 107' East of drilling window
Federal 14-19-9-16; 452' FSL, 2258' FWL; 8' South, 167' East of drilling window
Federal 10-22-9-16; 1736' FSL, 2137' FEL; 56' South of the drilling window
Federal 15-22-9-16; 355 FSL, 1987' FEL; 109' South of the drilling window

The attached plats depict the proposed drillsite locations and illustrate the deviation from the drilling window, in accordance with Rule R649-3-2. The requested locations have all been selected due to the extreme terrain.

The locations are found within the two federal leases referenced above. The drillsite leases and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location are owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted these owners and their consent to this location is attached.

If you have any questions or need additional information please contact me at (303)-382-4448.
Thank you for your assistance in this matter.

Sincerely,
NEWFIELD PRODUCTION COMPANY

A handwritten signature in black ink, appearing to read "Laurie Deseau". The signature is fluid and cursive.

Laurie Deseau
Properties Administrator

RECEIVED

JUN 08 2006

DIV. OF OIL, GAS & MINING

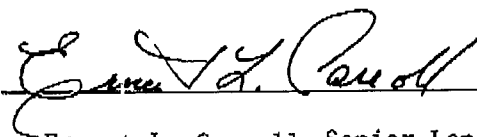
Exception Locations

Federal 11-19-9-16; Federal 14-19-9-16; UTU-74391

Federal 10-22-9-16; Federal 15-22-9-16; UTU-74392

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By:



Date: May 18, 2006

Ernest L. Carroll, Senior Land Man
Print Name and Title



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

June 8, 2006

Newfield Production Company
Rt. 3, Box 3630
Myton, UT 84052

Re: Federal 11-19-9-16 Well, 1778' FSL, 2197' FWL, NE SW, Sec. 19, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33160.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company
Well Name & Number Federal 11-19-9-16
API Number: 43-013-33160
Lease: UTU-74391

Location: NE SW **Sec.** 19 **T.** 9 South **R.** 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74391

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

FEDERAL 11-19-9-16

9. API Well No.

43-013-33160

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well



Oil
Well



Gas
Well



Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1778 FSL 2197 FWL NE/SW Section 19, T9S R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other

Permit Extension



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 6/8/06 (expiration 6/8/07).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-30-07
By: [Signature]

RECEIVED

MAY 31 2007

DIV. OF OIL, GAS & MINING

3-31-07
Rm

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

5/29/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33160
Well Name: Federal 11-19-9-16
Location: NE/SW Section 19,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 6/8/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

5/29/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 11-19-9-16

Api No: 43-013-33160 Lease Type: FEDERAL

Section 19 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

SPUDDED:

Date 10/ 09/07

Time 9:00 AM

How DRY

Drilling will Commence: _____

Reported by JIM

Telephone # (435) 823-2072

Date 10/10/07 Signed CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
ADDRESS: **RT. 3 BOX 3430**
MYTON, UT 84052

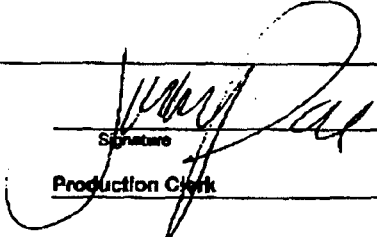
OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 1 COMMENTS:											
A	99999	16408	4301333082	FEDERAL 1-24-9-16	NENE	24	9S	16E	DUCHESNE	10/10/2007	10/17/07
GRUV											
A	99999	16409	4301332999	FEDERAL 13-18-9-16	SWSW	18	9S	16E	DUCHESNE	10/4/2007	10/17/07
GRUV											
A	99999	16410	4301333180	FEDERAL 13-23-9-16	SWSW	23	9S	16E	DUCHESNE	10/5/2007	10/17/07
GRUV											
A	99999	16411	4301333085	FEDERAL 7-24-9-16	SWNE	24	9S	16E	DUCHESNE	10/8/2007	10/17/07
WELL 5 COMMENTS: GRUV											
A	99999	16412	4301333160	FEDERAL 11-19-9-16	NESW	19	9S	16E	DUCHESNE	10/9/2007	10/17/07
WELL 6 COMMENTS: GRUV											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Signature  Jentri Park
Production Clerk
Date 10/11/07

RECEIVED

OCT 11 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPlicate. Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone

(include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1778 FSL 2197 FWL

NESW Section 19 T9S R16E

5. Lease Serial No.

USA UTU-74391

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 11-19-9-16

9. API Well No.

4301333160

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/9/07 MIRU Ross # 24. Spud well @ 9:00 am. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.34 /KB. On 10/17/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 8 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jim Smith

Signature

Title

Drilling Foreman

Date

10/19/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

OCT 23 2007

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 320.34

LAST CASING 8 5/8" set @ 320.34'kb
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 315' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal 11-19-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Ross Rig # 24

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 41.05'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	308.49
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			310.34
TOTAL LENGTH OF STRING		310.34	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			320.34
TOTAL		308.49	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		308.49	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud	10/9/2007	9:00 AM	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE			10/9/2007	2:30 PM	Bbls CMT CIRC TO SURFACE <u>8</u>		
BEGIN CIRC			10/17/2007	11:11 AM	RECIPROCATED PIPE FOR <u>N/A</u>		
BEGIN PUMP CMT			10/17/2007	11:25 AM			
BEGIN DSPL. CMT			10/17/2007	11:35 AM	BUMPED PLUG TO <u>105</u> PSI		
PLUG DOWN			10/17/2007	11:48 AM			
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING			
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Jim Smith DATE 10/17/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1778 FSL 2197 FWL

NESW Section 19 T9S R16E

5. Lease Serial No.

USA UTU-74391

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 11-19-9-16

9. API Well No.

4301333160

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/15/07 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5905'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 152 jt's of 5.5 J-55, 15.5# csgn. Set @ 5905' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 19 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #s tension. Release rig @ 6:00 AM on 11/20/07.

RECEIVED

DEC 12 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Justin Crum

Signature

Title

Drilling Foreman

Date

12/11/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5905.45

Flt cllr @ 5853.94'

LAST CASING 8 5/8" SET AT 320'

OPERATOR Newfield Production Company

DATUM 12

WELL Federal 11-19-9-16

DATUM TO CUT OFF CASING 12

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # NDSI Rig # 1

TD DRILLER 5900' LOGGER 5928'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt					14	
		Short jt @ 3814'						
151	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5853.94	
							0.6	
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	38.26	
		GUIDE shoe			8rd	A	0.65	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				5907.45
TOTAL LENGTH OF STRING		5907.45	152	LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		195.52	5	CASING SET DEPTH				5905.45
TOTAL		6087.72	157	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6087.72	157					
TIMING		1ST STAGE	2nd STAGE					
BEGIN RUN CSG.		11/21/2007	6:00 PM	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		11/21/2007	9:00 PM	Bbls CMT CIRC TO SURFACE				19
BEGIN CIRC		11/21/2007	9:00 PM	RECIPROCATED PIPE FOR				THRU FT STROKE
BEGIN PUMP CMT		11/21/2007	11:31 PM	DID BACK PRES. VALVE HOLD ?				Yes
BEGIN DSPL. CMT		11/22/2007	12:34 AM	BUMPED PLUG TO				1490 PSI
PLUG DOWN		11/22/2007	12:58 AM					
CEMENT USED				CEMENT COMPANY- B. J.				
STAGE	# SX			CEMENT TYPE & ADDITIVES				
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake						
		mixed @ 11.0 ppg W / 3.43 cf/sk yield						
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.								

COMPANY REPRESENTATIVE Justin Crum

DATE 11/22/2007

RECEIVED

DEC 12 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone

(include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1778 FSL 2197 FWL

NESW Section 19 T9S R16E

5. Lease Serial No.

UTU-74391

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 11-19-16

9. API Well No.

4301333160

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

01/10/2008

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on reverse)

RECEIVED

JAN 11 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1778 FSL 2197 FWL		8. WELL NAME and NUMBER: FEDERAL 11-19-9-16
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 19, T9S, R16E		9. API NUMBER: 4301333160
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/08/2008			

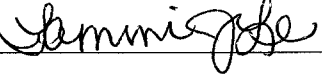
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above mentioned well went on production 01/08/08. See attached daily activity report.

RECEIVED

JAN 18 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Tammi Lee	TITLE Production Clerk
SIGNATURE 	DATE 01/17/2008

Daily Activity Report

Format For Sundry

FEDERAL 11-19-9-16**10/1/2007 To 2/29/2008****12/15/2007 Day: 1****Completion**

Rigless on 12/14/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5819' & cement top @ 224'. Perforate stage #1. CP2 sds @ 5558-74' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 64 shots. 146 BWTR. SIFN.

12/27/2007 Day: 2**Completion**

Rigless on 12/26/2007 - RU BJ Services "Ram Head" frac flange. BJ broke down. RU BJ & frac CP2 sds, stage #1 down casing w/ 59,775#'s of 20/40 sand in 533 bbls in Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2659 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1825 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2111. 689 bbls EWTR. Leave pressure on well. RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 20' perf gun. Set plug @ 5480'. Perforate LODC sds @ 5380-5400' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 80 shots. RU BJ & frac stage #2 w/ 59,263#'s of 20/40 sand in 528 bbls in Lightning 17 frac fluid. Open well w/ 1576 psi on casing. Perfs broke down @ 1815 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2001 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2364. 1207 bbls EWTR. Leave pressure on well. RIH w/ frac plug & 16' perf gun. Set plug @ 5180'. Perforate LODC sds @ 5064-5080'. SIFN.

12/28/2007 Day: 3**Completion**

Rigless on 12/27/2007 - Thaw well out. RU BJ & frac stage #3 down casing w/ 75,331#'s of 20/40 sand in 618 bbls in Lightning 17 frac fluid. Open well w/ 1280 psi on casing. Perfs broke down @ 3012 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2507 @ ave rate of 29.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2905. 1825 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 13' perf gun. Set plug @ 5020'. Perforate A3 sds @ 4971-84', A1 sds @ 4938-54' w/ 4 spf for total of 116 shots. RU BJ & frac stage #4 w/ 110,221#'s of 20/40 sand in 881 bbls in Lightning 17 frac fluid. Open well w/ 1345 psi on casing. Perfs broke down @ 2374 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1743 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2079. 2636 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6' perf gun. Set plug @ 4870'. Perforate B.5 sds @ 4784-90' w/ 4 spf for total of 24 shots. RU BJ & frac stage #5 w/ 20,091#'s of 20/40 sand in 301 bbls in Lightning 17 frac fluid. Open well w/ 1469 psi on casing. Perfs broke down @ 2101 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2034 @ ave rate of 23 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2027. 2937 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 10' perf gun. Set plug @ 4650'. Perforate D1 sds @ 4548-58' w/ 4 spf for total of 40 shots. RU BJ & frac stage #6 w/ 50,552#'s of 20/40 sand in 442 bbls in Lightning 17 frac fluid. Open well w/ 1430 psi on casing. Perfs broke down @ 2116 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1639 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2088. 3379 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 20' perf gun. Set plug @ 4130'. Perforate GB4 sds @ 4010-30' w/ 4 spf for total of 80 shots. RU BJ & frac stage #7 w/ 44,039#'s of 20/40 sand in 416 bbls in Lightning 17 frac fluid. Open well w/ 1244 psi on casing. Perfs broke down @ 2008 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1391 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1434. 3795 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 4 hours & died w/ 300 bbls rec'd. SIFN.

12/30/2007 Day: 4**Completion**

Leed #712 on 12/29/2007 - MIRU Leed #712. Thaw wellhead & BOP W/ HO trk. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4090'. Tbg displaced 10 BW on TIH. LD 2 jts tbg. SIFN W/ EOT @ 4025'. Est 3485 BWTR.

1/3/2008 Day: 5**Completion**

Leed #712 on 1/2/2008 - Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. TIH W/ bit and tbg f/ 4025' to fill @ 4090'. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4090', plug @ 4130' in 60 minutes; sd @ 4540', plug @ 4650' in 45 minutes; sd @ 4830', plug @ 4870' in 60 minutes. Circ hole clean W/ no fluid loss. Hang back swivel & SIFN W/ EOT @ 4883'. Est 3485 BWTR.

1/4/2008 Day: 6**Completion**

Leed #712 on 1/3/2008 - Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. TIH W/ bit and tbg f/ 4883'. Tag fill @ 4935'. RU power swivel. Con't C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4935', plug @ 5020' in 55 minutes; sd @ 5085', plug @ 5180' in 33 minutes; sd @ 5340', plug @ 5480' in 30 minutes. Con't swivelling jts in hole. Tag fill @ 5730'. Drill plug remains & sd to PBTD @ 5859'. Circ hole clean W/ no fluid loss. RD swivel & pull EOT to 5802'. SIFN W/ est 3485 BWTR.

1/5/2008 Day: 7**Completion**

Leed #712 on 1/4/2008 - Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. RU swab equipment. IFL @ sfc. Made 15 runs rec 140 BTF W/ light gas, tr oil & no sd. FFL @ 1100'. TIH W/ tbg. Tag PBTD @ 5859' (no new fill). Circ hole clean. Lost est 30 BW & rec tr oil. LD excess tbg. TOH W/ tbg to 3715'. SIFN W/ est 3375 BWTR.

1/8/2008 Day: 8**Completion**

Leed #712 on 1/7/2008 - Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. Con't TOH W/ tbg f/ 3715--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 176 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5547' W/ SN @ 5581' & EOT @ 5645'. Land tbg W/ 15,000# tension. NU wellhead. RU HO trk & flush tbg W/ 60 BW @ 250°F (returned 50 bbls). PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 18' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 100-3/4" plain rods, 89-3/4" scraped rods, 7-3/4" plain rods, 1-4' X 3/4" pony rod and 1 1/2" X 26' polished rod (A grade). Seat pump & RU pumping unit. SIFN W/ est 3385 BWTR.

1/9/2008 Day: 9**Completion**

Leed #712 on 1/8/2008 - RU HO trk. Fill tbg W/ 3 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 3368 BWTR. Place well on production @ 9:00 AM 1/8/2008 W/ 102" SL @ 5 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

(See other in-
structions on
reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements *)

At Surface 1778' FSL & 2197 FWL, SEC.19, T9S, R16E NESW

At top prod. Interval reported below

At total depth

14 API NO 43-013-33160 DATE ISSUED 6/8/07

12 COUNTY OR PARISH DUCHESNE 13 STATE UT

15 DATE SPUDDED 10/9/07 16 DATE I D REACHED 11/21/07 17 DATE COMPL (Ready to prod) 1/8/08 18 ELEVATIONS (DF, RKB, RT, GR, ETC) * 6199' GL 6211' KB 19 ELEV. CASINGHEAD

20 TOTAL DEPTH, MD & TVD 5928' 21 PLUG BACK T D, MD & TVD 5859' 22 IF MULTIPLE COMPL, HOW MANY* 23 INTERVALS DRILLED BY -----> ROTARY TOOLS X CABLE TOOLS

24 PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* GREEN RIVER 4010'-5574' 25 WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27 WAS WELL CORED No

23 CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	320.34'	12 1/4	To surface w/ 160sx of class "G" cement	
5-1/2" J-55	15.5#	5905.45'	7 7/8	300sx of Primlite II & 450sx of 50/50 poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5645.04'	TA @ 5546.79'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL SIZE SPF/NUMBER

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

CP2 sds 5558'-5574'	.49"	4/64	5558'-5574'	Frac w/59,775#s of 20/40 sand in 533 bbls of fluid
LODC sds 5380'-5400'	.49"	4/80	5380'-5400'	Frac w/59,263#s of 20/40 sand in 528 bbls of fluid
LODC sds 5064'-5080'	.49"	4/64	5064'-5080'	Frac w/ 75,331#s of 20/40 sand in 618 bbls of fluid
A3 sds 4971'-4984', A1 sds 4938'-4954'	.49"	4/116	4938'-4984'	Frac w/110,221#s of 20/40 sand in 881 bbls of fluid
B 5 sds 4784'-4790'	.49"	4/24	4784'-4790'	Frac w/20,091#s of 20/40 sand in 301 bbls of fluid
D1 sds 4548'-4558'	.49"	4/40	4548'-4558'	Frac w/50,552#s of 20/40 sand in 442 bbls of fluid
GB4 sds 4010'-4030'	.49"	4/80	4010'-4030'	Frac w/44,039#s of 20/40 sand in 416 bbls of fluid

33 * PRODUCTION

DATE FIRST PRODUCTION 1/08/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) CDI 2 1/2" X 1 1/2" X 18' RHAC pump w/ SM plunger					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave		HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ----->	OIL--BBLs 477	GAS--MCF 172	WATER--BBL 692	GAS-OIL RATIO 447
FLOW TUBING PRESS		CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL	GAS--MCF RECEIVED	WATER--BBL	OIL GRAVITY-API (CORR)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for Fuel

JAN 28 2008

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tammi Lee

TITLE Production Technician

DATE 1/24/2008

TL

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			Well Name Federal 11-19-9-16	Garden Gulch Mkr	3569'		
				Garden Gulch 1	3770'		
				Garden Gulch 2	3874'		
				Point 3 Mkr	4114'		
				X Mkr	4385'		
				Y-Mkr	4416'		
				Douglas Creek Mkr	4526'		
				BiCarbonate Mkr	0		
				B Limestone Mkr	4846'		
				Castle Peak	5419'		
				Basal Carbonate	5856'		
				Wasatch	0		
				Total Depth (Loggers)	5928'		

NEWFIELD



Well Name: Federal 11-19-9-16
 LOCATION: S19, T9S, R16E
 COUNTY/STATE: Duchesne
 API: 43-013-33160

Spud Date: 10-9-07
 TD: 5900'
 CSG: 11-21-07
 POP: 1-8-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
1/8/2008				3365				POP @ 9:00 A.M. w/ 102" SL @ 5 SPM. 3365 Total water to be recovered.
1/9/2008	20	0	134	3231	0	0	5 1/4	
1/10/2008	24	0	-3	3234	0	0	5 1/4	C&D hauled water off location no ticket left, pumper thought it was around 130 bbls
1/11/2008	24	0	110	3124	0	0	5 1/4	
1/12/2008	24	0	125	2999	0	0	5 1/4	
1/13/2008	24	0	130	2869	0	50	5 1/4	
1/14/2008	24	3	135	2734	0	130	5 1/4	
1/15/2008	24	52	125	2609	14	130	5 1/4	
1/16/2008	24	153	91	2518	28	160	5 1/4	
1/17/2008	24	2	163	2355	0	60	5 1/4	Treater was bypassed most of yesterday and all production went into the water tank.
1/18/2008	0	0	0	2355	0	600	5 1/4	down 24 hrs. treater problems
1/19/2008	0	0	0	2355	0	600	0	Problems with treater
1/20/2008	0	0	0	2355	43	600	0	Problems with treater
1/21/2008	24	99	0	2355	31	100	5 1/4	
1/22/2008	24	77	48	2307	29	300	5 1/4	
1/23/2008	24	91	0	2307	27	300	5 1/4	
1/24/2008				2307				
1/25/2008				2307				
1/26/2008				2307				
1/27/2008				2307				
1/28/2008				2307				
1/29/2008				2307				
1/30/2008				2307				
1/31/2008				2307				
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2/3/2008				2307				
2/4/2008				2307				
2/5/2008				2307				
2/6/2008				2307				
2/7/2008				2307				
2/8/2008				2307				
		477	1058		172			

79984



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-406

Operator: Newfield Production Company
Well: Federal 11-19-9-16
Location: Section 19, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33160
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 21, 2013.
2. Maximum Allowable Injection Pressure: 1,408 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,874' – 5,859')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: Clinton L. Desorhal
for John Rogers
Associate Director

11/4/13
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 21, 2013

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 11-19-9-16, Section 19, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33160

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,874 feet in the Federal 11-19-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

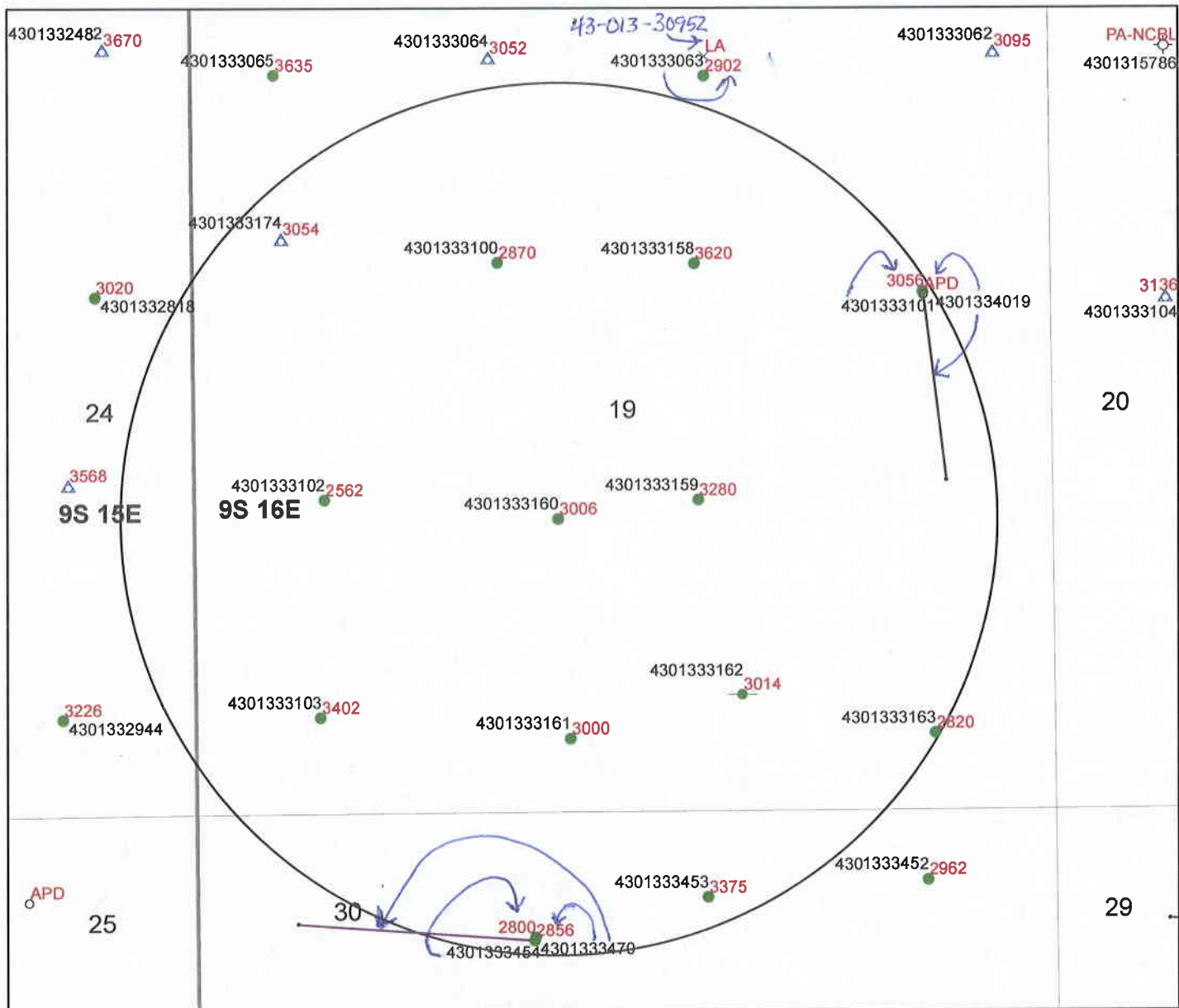
John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊙ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

Cement Bond Tops Federal 11-19-9-16 API #43-013-33160 UIC-406.8

0 0.05 0.1 0.2 0.3 0.4 Miles



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 11-19-9-16

Location: 19/9S/16E **API:** 43-013-33160

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 320 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,905 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,006 feet. A 2 7/8 inch tubing with a packer is proposed at 3,960 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 12 producing wells, 1 injection well, and 1 shut-in well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. The shut-in well has been permitted as an injection well but has not yet begun injecting. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2500 feet. Injection shall be limited to the interval between 3,874 feet and 5,859 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 11-19-9-16 well is 0.79 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,408 psig. The requested maximum pressure is 1,408 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 11-19-9-16

page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 2/27/2013

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED. TAX I.D.# 87-0217663
801-204-6910

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CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	2/28/2013

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000861529 /		
SCHEDULE			
Start 02/28/2013		End 02/28/2013	
CUST. REF. NO.			
Cause - UIC-406			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES			
SIZE			
84	Lines	2.00	COLUMN
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
287.24			

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudication proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East
API 43-013-31519
Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East
API 43-013-32905
Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East
API 43-013-33604
Federal 10-8-9-16 well located in NW/4 SE/4, Section 8, Township 9 South, Range 16 East
API 43-013-33059
Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33969
Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East
API 43-013-30632
West Point 6-17-9-16 well located in SE/4 NW/4, Section 17, Township 9 South, Range 16 East
API 43-013-32283
Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33144
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East
API 43-013-33470

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 26th day of February, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Permitting Manager
861529

AFFIDAVIT OF PUBLICATION

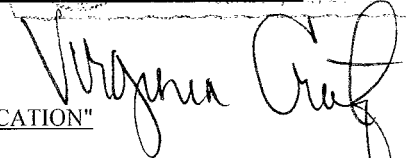
AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-406 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH. AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 02/28/2013 End 02/28/2013

SIGNATURE 

2/28/2013

VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 381489
My Commission Expires
January 12, 2014



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

Send Payments to:
 Uintah Basin Standard
 268 S 200 E
 Roosevelt, Utah 84066
 Phone: 435-722-5131
 Fax: 435-722-4140



Invoice Number Invoice Date

42640 3/5/2013

Advertiser No. Invoice Amount Due Date

2080 \$145.85 4/4/2013

DIVISION OF OIL GAS & MINING
 Rose Nolton
 1594 W. N.TEMPLE STE 121
 PO BOX 145801
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all
 past due balances.

Amount Enclosed

Please detach top portion and return with your payment

INVOICE

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 42640

3/5/2013

Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
3/5/2013	21150 UBS	UBS Legal Notice: Not of Agency Action: Cause No. UIC-406 Pub. March 5, 2013				\$145.85
					Sub Total:	\$145.85
					Total Transactions: 1	Total: \$145.85

SUMMARY

Advertiser No.

2080

Invoice No.

42640

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

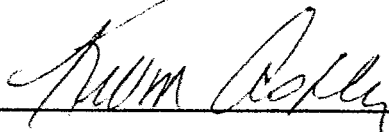
Thank you for advertising with us, we appreciate your business!

6250/REB, GGOICADMIN/GF.3/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 5 day of March, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 5 day of March, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

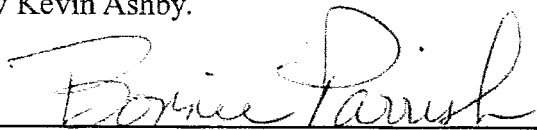


Publisher

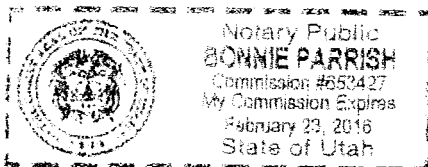
Subscribed and sworn to before me on this

5 day of March, 20 13

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-406

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33059
Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East

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Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East

API 43-013-30632
West Point 6-17-9-16 well located in SE/4 NW/4, Section 17, Township 9 South, Range 16 East

API 43-013-32283
Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33160
Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East

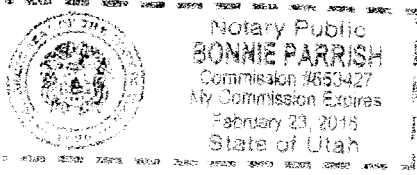
API 43-013-33144
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East

API 43-013-33470
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Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days

Ernie L. Smith
Notary Public



injection wells.

Greater Monument
Butte Unit:

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23, Township 9 South,
Range 15 East

API 43-013-31519

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26, Township 9 South,
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API 43-013-32905

Ashley Federal
1-27-9-15 well lo-

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dures.

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within fifteen days
following publication
of this notice. The Di-
vision's Presiding Of-
ficer for the proceeding
is Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake City,
UT 84114-5801, phone
number (801) 538-
5340. If such a protest
or notice of interven-
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ing will be scheduled
in accordance with
the aforementioned
administrative pro-
cedural rules. Protes-
tants and/or interven-
ers should be prepared
to demonstrate at the
hearing how this matter
affects their interests.

Dated this 26th day
of February, 2013.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

/s/ Brad Hill

Permitting Manager

Published in the
Utah Basin Standard
March 5, 2013.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33059
Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33969
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API 43-013-30632
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API 43-013-32283
Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East
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API 43-013-33470

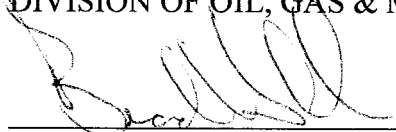
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Dated this 26th day of February, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill
Permitting Manager

Newfield Production Company

**ASHLEY FEDERAL 10-23, ASHLEY FEDERAL 12-26-9-15,
ASHLEY FEDERAL 1-27-9-15, FEDERAL 10-8-9-16,
FEDERAL 12-9-9-16, CASTLE PEAK FEDERAL 33-15,
WEST POINT 6-17-9-16, FEDERAL 11-19-9-16,
FEDERAL 11-21-9-16, FEDERAL 4-30-9-16**

Cause No. UIC-406

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail legals@ubstandard.com

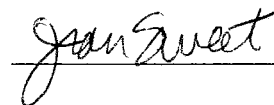
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 26, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



2/27/13

State of Utah Mail - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-406



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

1 message

Cindy Kleinfelter <classifieds@ubstandard.com>

Tue, Feb 26, 2013 at 3:16 PM

To: Jean Sweet <jsweet@utah.gov>

On 2/26/2013 1:12 PM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary
Utah Division of Oil, Gas and Mining
801-538-5329

It will be published March 5, 2013.

Thank you

Cindy



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 26, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

To whom it may concern:

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Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

2/27/13

State of Utah Mail - UIC - 406 - Legal Notice



Jean Sweet <jsweet@utah.gov>

UIC - 406 - Legal Notice

1 message

Fultz, Mark <naclegal@mediaoneutah.com>

Tue, Feb 26, 2013 at 3:31 PM

Reply-To: "Fultz, Mark" <naclegal@mediaoneutah.com>

To: jsweet@utah.gov

AD# 861529

Run Trib/DNews - 2/28

Cost \$287.24

Thank you

Mark



OrderConf.pdf

128K

Order Confirmation for Ad #0000861529-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
EMail	juliecarter@utah.gov	Jean	mfultz

Total Amount	\$287.24			
Payment Amt	\$0.00			
Amount Due	\$287.24	Tear Sheets	0	0
Payment Method		Proofs	0	1
Confirmation Notes:		Affidavits		
Text:	Jean	PO Number		Cause - UIC-406

Ad Type	Ad Size	Color
Legal Liner	2.0 X 84 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	2/28/2013	

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	2/28/2013	

<u>Product</u>	<u>Placement</u>	<u>Position</u>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	2/28/2013	

<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	2/28/2013	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33160
Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East
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Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East
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Dated this 26th day of February, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Permitting Manager
861529

UPAXLP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

February 8, 2013

**Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801**

**RE: Permit Application for Water Injection Well
Federal #11-19-9-16
Monument Butte Field, Lease #UTU-74391
Section 19-Township 9S-Range 16E
Duchesne County, Utah**

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #11-19-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

**Eric Sundberg
Environmental Manager**

RECEIVED

FEB 12 2013

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #11-19-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-74391
FEBRUARY 8, 2013

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Federal #11-19-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74391
Well Location: QQ NESW section 19 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? Yes ☒ No ☐
 Disposal? Yes ☐ No ☒
 Storage? Yes ☐ No ☒

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒

Date of test: _____

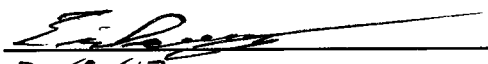
API number: 43-013-33160

Proposed injection interval: from 3874 to 5859
Proposed maximum injection: rate 500 bpd pressure 1408 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature 
Title Environmental Manager Date 2/8/13
Phone No. (303) 893-0102

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

Federal 11-19-9-16

Spud Date: 10-09-07
Put on Production: 1-8-08
GL: 6199' KB: 6211'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.34')
DEPTH LANDED: 320.34'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbl to surf.

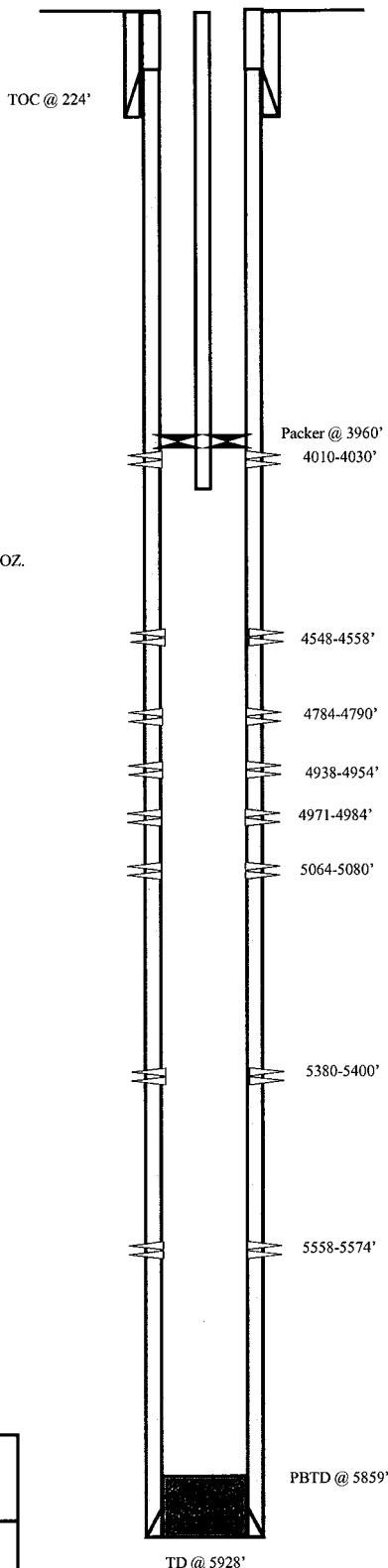
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152jts. (5907.45')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5905.45'
CEMENT DATA: 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 224' per CBL 12/14/07

TUBING (GI 12/15/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 176 jts (5521.9)
TUBING ANCHOR: 5533.9'
NO. OF JOINTS: 1 jts (30.1')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5566.8'
NO. OF JOINTS: 2 jts (62.70')
NOTCHED COLLAR: 2-7/8" (0.5')
TOTAL STRING LENGTH: EOT @ 5632'

Proposed Injection Wellbore Diagram



FRAC JOB

12-26-07	5558-5574'	Frac CP2 sands as follows: Frac with 59775# 20/40 sand in 533bbls Lightning 17 fluid. Treat at 1825 psi @ 23 BPM. ISIP 2111 psi.
12-26-07	5380-5400'	Frac LODC sands as follows: Frac with 59263# 20/40 sand in 528 bbls Lightning 17 fluid. Treat at 2001psi @ 23.1 BPM. ISIP 2364psi.
12-27-7	5064-5080'	Frac LODC sands as follows: Frac with 75331# 20/40 sand in 618 bbls Lightning 17 fluid. Treat at 2507 psi @ 29.1 BPM. ISIP 2905 psi.
12-27-07	4938-4984'	Frac A3 & A1 sand as follows: Frac with 110221# 20/40 sand in 881 bbls Lightning 17 fluid. Treat at 1743 psi @ 23 BPM. ISIP 2079 psi.
12-27-07	4784-4790'	Frac B.5 sands as follows: Frac with 20091# 20/40 sand in 301 bbls Lightning 17 fluid. Treat at 2034 psi @ 23 BPM. ISIP 2027 psi.
12-27-07	4548-4558'	Frac D1 sands as follows: Frac with 50552# 20/40 sand in 442 bbls Lightning 17 fluid. Treat at 1639 psi @ 23.1 BPM. ISIP 2088 psi.
12-27-07	4010-4030'	Frac GB4 sands as follows: Frac with 44039# 20/40 sand in 416 bbls Lightning 17 fluid. Treat at 1391 psi @ 23 BPM. ISIP 1434 psi.
9-16-08		Parted rod. Updated rod & tubing details.
6/15/09		Tubing Leak. Updated r & t details.

PERFORATION RECORD

4010-4030'	4 JSPF	80 holes
4548-4558'	4 JSPF	40 holes
4784-4790'	4 JSPF	24 holes
4938-4954'	4 JSPF	64 holes
4971-4984'	4 JSPF	52 holes
5064-5080'	4 JSPF	64 holes
5380-5400'	4 JSPF	80 holes
5558-5574'	4 JSPF	64 holes

NEWFIELD



Federal 11-19-9-16
1778' FSL & 2197' FWL
NESW Section 19-T9S-R16E
Duchesne Co, Utah
API #43-013-33160; Lease #UTU-74391

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 The name and address of the operator of the project.**

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

- 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

- 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #11-19-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

- 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #11-19-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3874' - 5859'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3543' and the TD is at 5928'.

- 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #11-19-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74391) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 320' KB, and 5-1/2", 15.5# casing run from surface to 5905' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1408 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #11-19-9-16, for existing perforations (4010' - 5574') calculates at 0.79 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1408 psig. We may add additional perforations between 3543' and 5923'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #11-19-9-16, the proposed injection zone (3874' - 5859') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

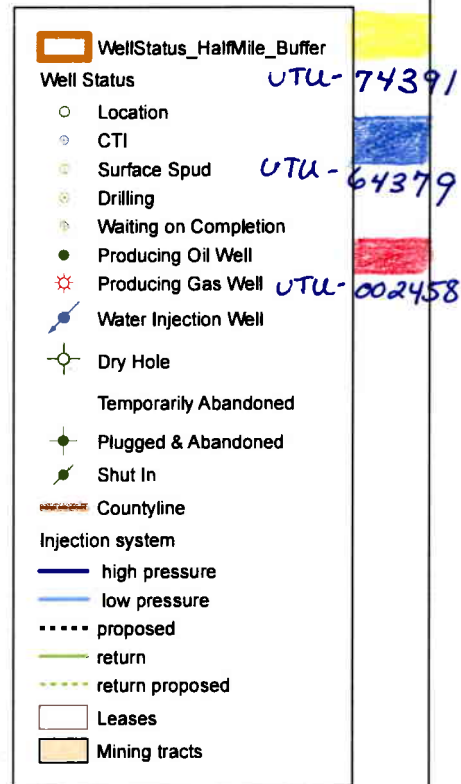
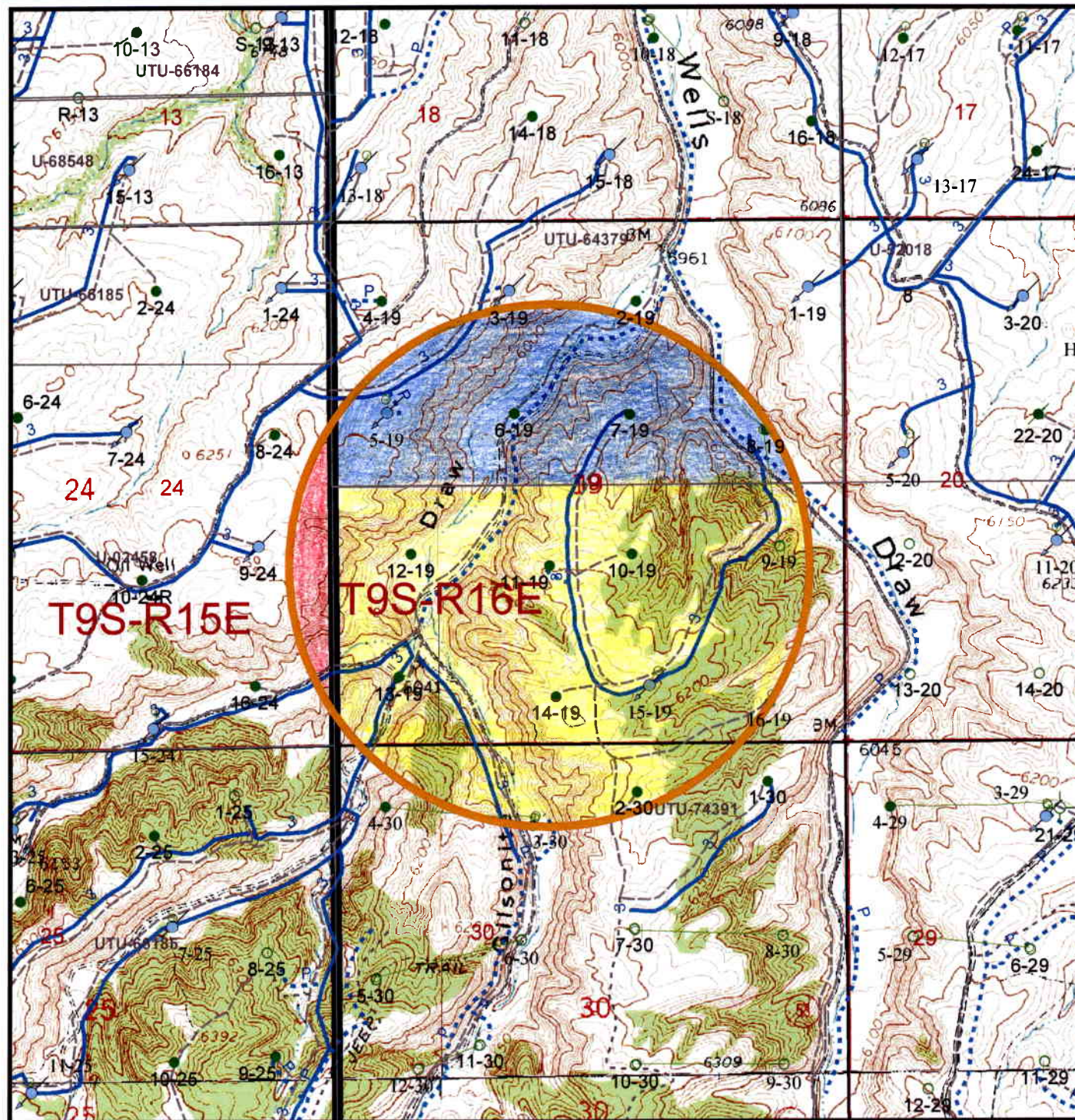
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



Federal 11-19
Section 19, T9S-R16E

NEWFIELD

ROCKY MOUNTAINS 1 in = 1,500 feet

1/2 Mile Radius Map
Duchesne & Uintah Counties

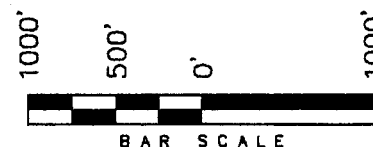
1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 693-0102

December 18, 2012

T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, FEDERAL 11-19-9-16,
LOCATED AS SHOWN IN THE NE 1/4 SW
1/4 OF SECTION 19, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



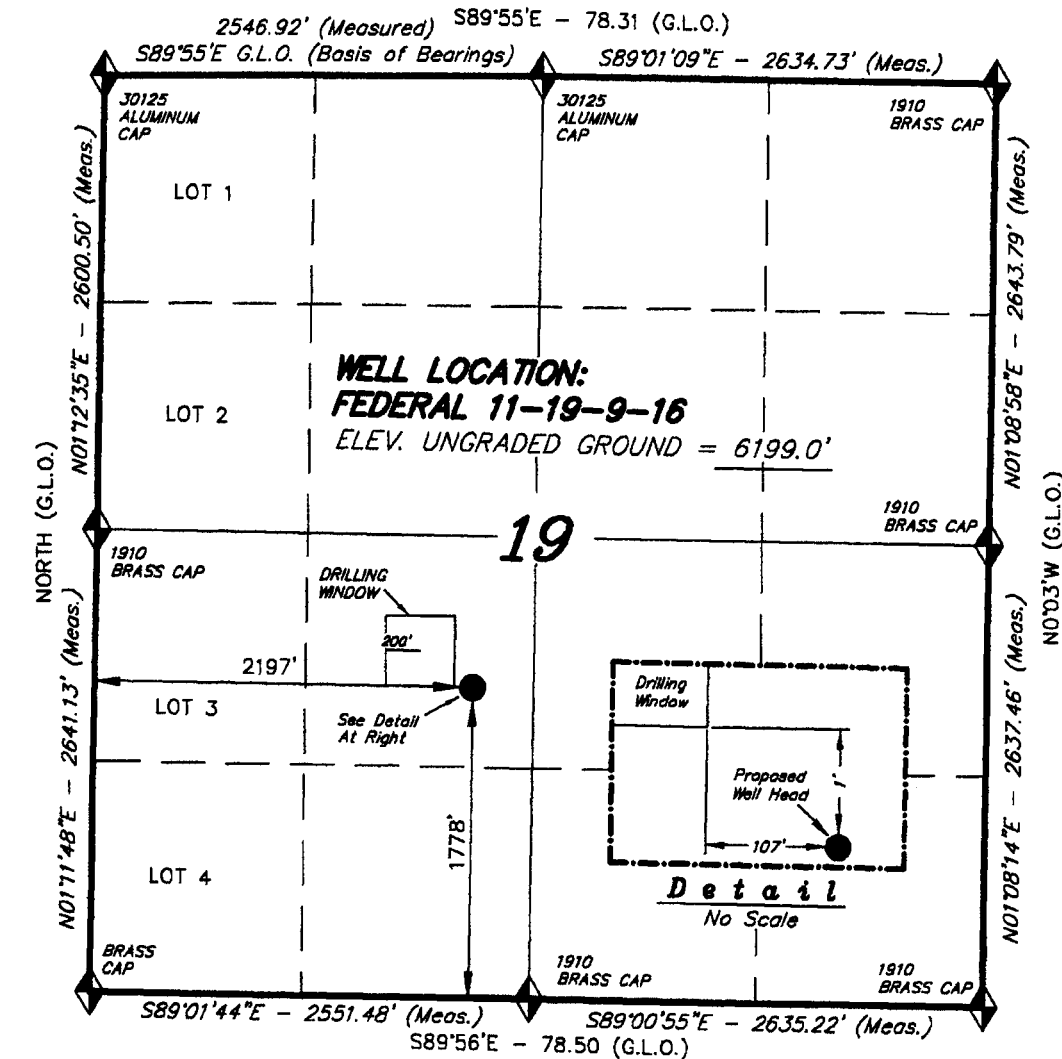
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

REGISTERED LAND SURVEYOR
REGISTRATION No. 1235
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 4-3-06	SURVEYED BY: C.M.
DATE DRAWN: 4-10-06	DRAWN BY: M.W.
REVISED: 04-21-06 F.T.M.	SCALE: 1" = 1000'



 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

FEDERAL 11-19-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 50.54"
LONGITUDE = 110° 09' 48.01"

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3, 4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S-R15E SLM Section 23: SENE, W2SW, NESE Section 24: S2N2, S2	USA UTU-002458 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #11-19-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____

Eric Sundberg
Newfield Production Company
Eric Sundberg
Environmental Manager

Sworn to and subscribed before me this 8th day of February, 2013.

Notary Public in and for the State of Colorado: _____

Lydia Biondo

My Commission Expires: _____

10/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Federal 11-19-9-16

Spud Date: 10-09-07
Put on Production: 1-8-08
GL: 6199' KB: 6211'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.34')
DEPTH LANDED: 320.34'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbl to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152 jts. (5907.45')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5905.45'
CEMENT DATA: 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 224' per CBL 12/14/07

TUBING (GI 12/15/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 176 jts (5521.9)
TUBING ANCHOR: 5533.9'
NO. OF JOINTS: 1 jts (30.1')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5566.8'
NO. OF JOINTS: 2 jts (62.70')
NOTCHED COLLAR: 2-7/8" (0.5')
TOTAL STRING LENGTH: EOT @ 5632'

SUCKER RODS (GI 12/15/11)

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 1-2' x 3/4" pony rods, 1-4' x 3/4" pony rods, 1-6' x 3/4" pony rods, 87- 3/4" guided rods, 89- 3/4" sucker rods, 38- 3/4" guided rods, 6- 1 1/2" weight rods.
PUMP SIZE: 2-1/4" x 1-1/4" x 16' x 20 RHAC Pump
STROKE LENGTH: 102"
PUMP SPEED, SPM: 5
PUMPING UNIT: DARCO C-320-256-120

FRAC JOB

12-26-07 5558-5574' **Frac CP2 sands as follows:**
Frac with 59775# 20/40 sand in 533 bbls Lightning 17 fluid. Treat at 1825 psi @ 23 BPM. ISIP 2111 psi.

12-26-07 5380-5400' **Frac LODC sands as follows:**
Frac with 59263# 20/40 sand in 528 bbls Lightning 17 fluid. Treat at 2001 psi @ 23.1 BPM. ISIP 2364 psi.

12-27-7 5064-5080' **Frac LODC sands as follows:**
Frac with 75331# 20/40 sand in 618 bbls Lightning 17 fluid. Treat at 2507 psi @ 29.1 BPM. ISIP 2905 psi.

12-27-07 4938-4984' **Frac A3 & A1 sand as follows:**
Frac with 110221# 20/40 sand in 881 bbls Lightning 17 fluid. Treat at 1743 psi @ 23 BPM. ISIP 2079 psi.

12-27-07 4784-4790' **Frac B.5 sands as follows:**
Frac with 20091# 20/40 sand in 301 bbls Lightning 17 fluid. Treat at 2034 psi @ 23 BPM. ISIP 2027 psi.

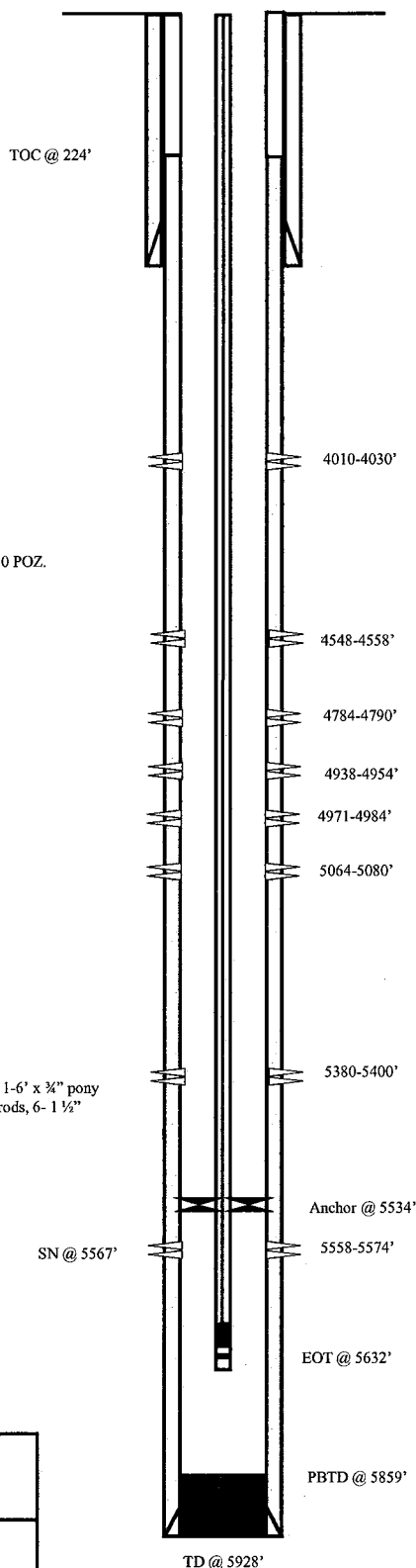
12-27-07 4548-4558' **Frac D1 sands as follows:**
Frac with 50552# 20/40 sand in 442 bbls Lightning 17 fluid. Treat at 1639 psi @ 23.1 BPM. ISIP 2088 psi.

12-27-07 4010-4030' **Frac GB4 sands as follows:**
Frac with 44039# 20/40 sand in 416 bbls Lightning 17 fluid. Treat at 1391 psi @ 23 BPM. ISIP 1434 psi.

9-16-08 Parted rod. Updated rod & tubing details.
6/15/09 Tubing Leak. Updated r & t details.

PERFORATION RECORD

4010-4030'	4 JSPF	80 holes
4548-4558'	4 JSPF	40 holes
4784-4790'	4 JSPF	24 holes
4938-4954'	4 JSPF	64 holes
4971-4984'	4 JSPF	52 holes
5064-5080'	4 JSPF	64 holes
5380-5400'	4 JSPF	80 holes
5558-5574'	4 JSPF	64 holes

**NEWFIELD****Federal 11-19-9-16**

1778' FSL & 2197' FWL
NESW Section 19-T9S-R16E
Duchesne Co, Utah

API #43-013-33160; Lease #UTU-74391

Spud Date: 08/29/07

Put on Production: 10/08/07

GL: 6182' KB: 6194'

FEDERAL 5-19-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (301.00')

DEPTH LANDED: 312.85' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 149 jts. (5914.34')

DEPTH LANDED: 5927.59' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 147 jts (4532.2')

SEATING NIPPLE: 2-7/8" (1.10')

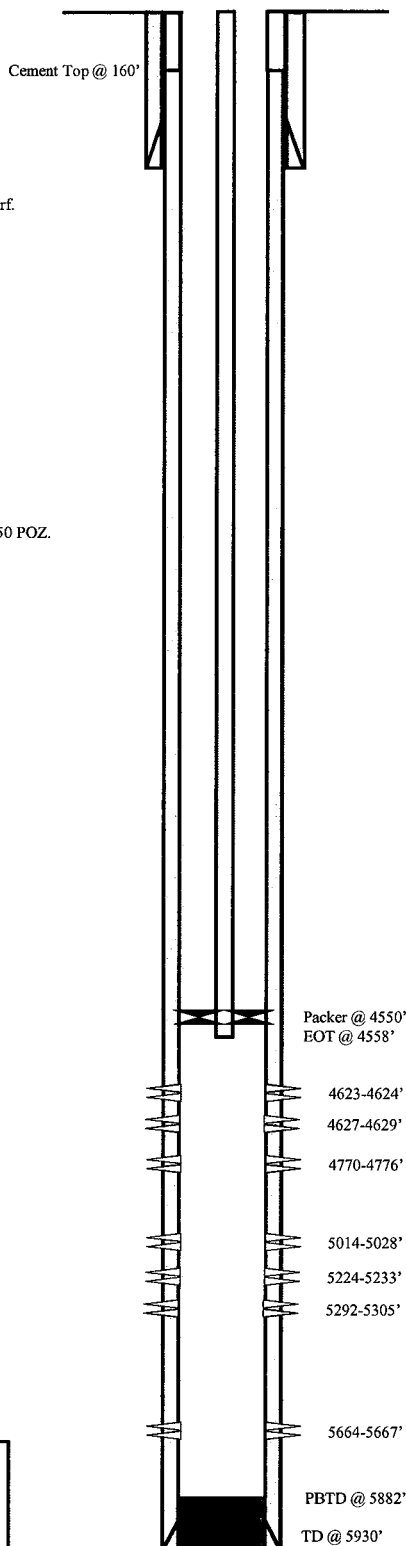
SN LANDED AT: 4544.2' KB

RETRIEVING HEAD 4-1/2" N-80 AT: 4545.3'

PACKER CE AT: 4550.4' w/ 1.875 profile X-nipple

TBG PUP 2-3/8" J-55 AT: 4554.1'

TOTAL STRING LENGTH: EOT @ 4558' KB

FRAC JOB

10/02/07 5292-5305'

Frac LODC sands as follows:

70815# 20/40 sand in 589 bbls Lightning 17 frac fluid. Treated @ avg press of 2092 psi w/avg rate of 24.8 BPM. ISIP 2307 psi. Calc flush: 5290 gal. Actual flush: 4784 gal.

10/02/07 5224-5233'

Frac LODC sands as follows:

56237# 20/40 sand in 502 bbls Lightning 17 frac fluid. Treated @ avg press of 2357 psi w/avg rate of 24.8 BPM. ISIP 2399 psi. Calc flush: 5222 gal. Actual flush: 4717 gal.

10/04/07 5014-5028'

Frac A3 sands as follows:

49854# 20/40 sand in 466 bbls Lightning 17 frac fluid. Treated @ avg press of 1934 psi w/avg rate of 24.8 BPM. ISIP 2070 psi. Calc flush: 5012 gal. Actual flush: 4507 gal.

10/05/07 4770-4776'

Frac C sands as follows:

16441# 20/40 sand in 257 bbls Lightning 17 frac fluid. Treated @ avg press of 2243 psi w/avg rate of 24.8 BPM. ISIP 3458 psi. Calc flush: 4768 gal. Actual flush: 4683 gal.

10/21/09

Pump Change. Updated rod & tubing details.

7/14/2011

Tubing Leak. Updated rod & tubing details.

08/30/12 5664-5667'

Frac CP4 sands as follows:

18147# 20/40 sand in 229 bbls Lightning 17 frac fluid.

08/30/12 4623-4629'

Frac D1 sands as follows:

16342# 20/40 sand in 236 bbls Lightning 17 frac fluid.

08/31/12

Convert to Injection Well

09/05/12

Conversion MIT Finalized - update tbg detailPERFORATION RECORD

10/01/07	5292-5305'	4 JSPF	52 holes
10/02/07	5224-5233'	4 JSPF	36 holes
10/02/07	5014-5028'	4 JSPF	56 holes
10/04/07	4770-4776'	4 JSPF	24 holes
08/28/12	5664-5667'	3 JSPF	9 holes
08/28/12	4627-4629'	3 JSPF	6 holes
08/28/12	4623-4624'	3 JSPF	3 holes

NEWFIELD**FEDERAL 5-19-9-16**

1785' FNL & 544' FWL
SW/NW Section 19-T9S-R16E
Duchesne Co, Utah
API #43-013-33174; Lease # UTU-64379

FEDERAL 6-19-9-16

Spud Date: 05/13/07
Put on Production: 06/12/07
GL: 5988' KB: 6000'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.05')
DEPTH LANDED: 323.90' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

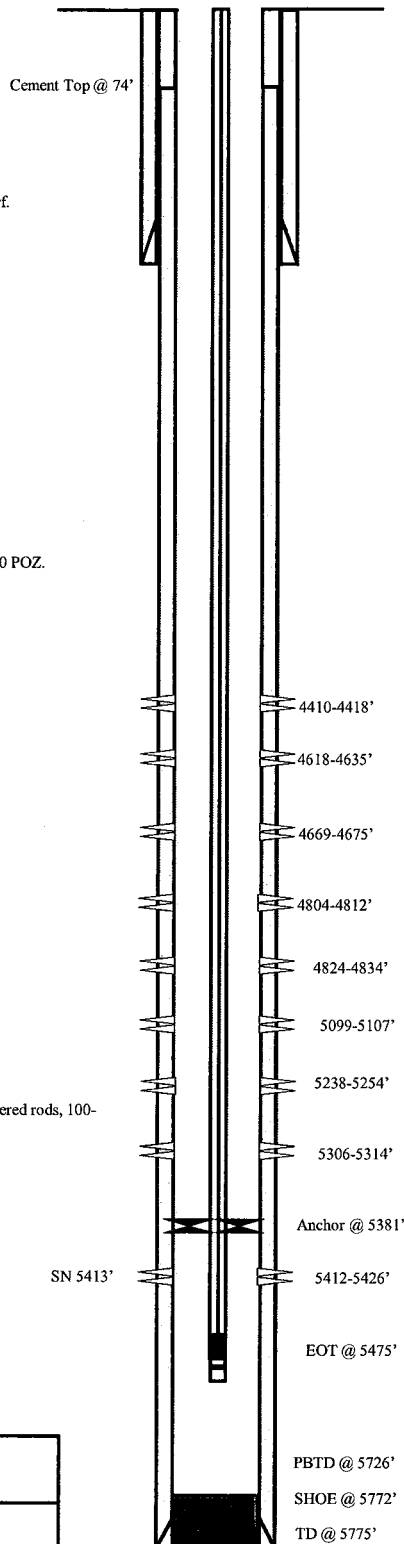
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5758.79')
DEPTH LANDED: 5772.04' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP: 74'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5368.53')
TUBING ANCHOR: 5380.53' KB
NO. OF JOINTS: 1 jts (29.45')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5412.78' KB
NO. OF JOINTS: 2 jts (60.64')
TOTAL STRING LENGTH: EOT @ 5474.97' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-4' & 1-8' x 3/4" pony rods, 100-3/4" scraped rods, 100-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20' RHAC
STROKE LENGTH: 102"
PUMP SPEED, 4.5 SPM:

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

06/07/07 5412-5426' **Frac CP3 sands as follows:**
34633# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2052 psi w/avg rate of 24.7 BPM. ISIP 2154 psi. Calc flush: 5410 gal. Actual flush: 4906 gal.

06/08/07 5306-5314' **Frac CPI sands as follows:**
24825# 20/40 sand in 338 bbls Lightning 17 frac fluid. Treated @ avg press of 2394 psi w/avg rate of 24.7 BPM. ISIP 2353 psi. Calc flush: 5304 gal. Actual flush: 4843 gal.

06/08/07 5238-5254' **Frac LODC sands as follows:**
69984# 20/40 sand in 557 bbls Lightning 17 frac fluid. Treated @ avg press of 2189 psi w/avg rate of 24.7 BPM. ISIP 2569 psi. Calc flush: 5236 gal. Actual flush: 4729 gal.

06/08/07 5099-5107' **Frac LODC sands as follows:**
44824# 20/40 sand in 411 bbls Lightning 17 frac fluid. Treated @ avg press of 2128 psi w/avg rate of 24.7 BPM. ISIP 2388 psi. Calc flush: 5097 gal. Actual flush: 4591 gal.

06/08/07 4804-4834' **Frac A1&A3 sands as follows:**
84070# 20/40 sand in 625 bbls Lightning 17 frac fluid. Treated @ avg press of 1849 psi w/avg rate of 24.7 BPM. ISIP 2309 psi. Calc flush: 4802 gal. Actual flush: 4339 gal.

06/08/07 4618-4675' **Frac B1 & B2 sands as follows:**
136676# 20/40 sand in 945 bbls Lightning 17 frac fluid. Treated @ avg press of 1720 psi w/avg rate of 24.7 BPM. ISIP 2016 psi. Calc flush: 4616 gal. Actual flush: 4154 gal.

06/08/07 4410-4418' **Frac D1 sands as follows:**
36368# 20/40 sand in 369 bbls Lightning 17 frac fluid. Treated @ avg press of 1565 psi w/avg rate of 24.7 BPM. ISIP 1650 psi. Calc flush: 4408 gal. Actual flush: 4368 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
06/05/07	5412-5426'	4 JSPF	56 holes
06/07/07	5306-5314'	4 JSPF	32 holes
06/07/07	5238-5254'	4 JSPF	64 holes
06/08/07	5099-5107'	4 JSPF	32 holes
06/08/07	4824-4834'	4 JSPF	40 holes
06/08/07	4804-4812'	4 JSPF	32 holes
06/08/07	4669-4675'	4 JSPF	24 holes
06/08/07	4618-4635'	4 JSPF	68 holes
06/08/07	4410-4418'	4 JSPF	32 holes

NEWFIELD**FEDERAL 6-19-9-16**

1941' FNL & 1851' FWL

SE/NW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33100; Lease # UTU-64379

FEDERAL 7-19-9-16

Spud Date: 09/25/07
Put on Production: 12/06/07
GL: 6137' KB: 6149'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.36')
DEPTH LANDED: 316.01' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 138 jts. (5929.84')
DEPTH LANDED: 5943.09' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 175'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 172 jts (5412.80')
TUBING ANCHOR: 5412.80' KB
NO. OF JOINTS: 1 jts (31.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5447.10' KB
NO. OF JOINTS: 2 jts (62.06')
TOTAL STRING LENGTH: EOT @ 5510.71' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-4', & 1-6' x 3/4" pony rods, 1-3/4" slick rod 100-3/4"
scraper rods, 90-3/4" plain rods, 20-3/4" scraper rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 17' x 20' RHAC
STROKE LENGTH: 100"
PUMP SPEED, 5 SPM:

FRAC JOB

11/19/07 5410-5434' **Frac LODC sands as follows:**
109202# 20/40 sand in 819 bbls Lightning 17
frac fluid. Treated @ avg press of 2224 psi
w/avg rate of 23.1 BPM. ISIP 2660 psi. Calc
flush: 5408 gal. Actual flush: 4906 gal.

11/28/07 5259-5266' **Frac LODC sands as follows:**
39849# 20/40 sand in 409 bbl Lightning 17
frac fluid. Treated @ avg press of 2270 psi
w/avg rate of 22.9 BPM. ISIP 2197 psi. Calc
flush: 5257 gal. Actual flush: 4759 gal.

11/28/07 4916-4923' **Frac A.5 sands as follows:**
190567# 20/40 sand in 298 bbls Lightning 17
frac fluid. Treated @ avg press of 2017 psi
w/avg rate of 23.1 BPM. ISIP 2175 psi. Calc
flush: 4914 gal. Actual flush: 4410 gal.

11/28/07 4843-4848' **Frac B1 sands as follows:**
14207# 20/40 sand in 260 bbls Lightning 17
frac fluid. Treated @ avg press of 2112 psi
w/avg rate of 23.1 BPM. ISIP 1944 psi. Calc
flush: 4842 gal. Actual flush: 4343 gal.

11/28/07 4564-4579' **Frac D1 sands as follows:**
79967# 20/40 sand in 617 bbls Lightning 17
frac fluid. Treated @ avg press of 1666 psi
w/avg rate of 23.1 BPM. ISIP 1984 psi. Calc
flush: 4564 gal. Actual flush: 4579 gal.

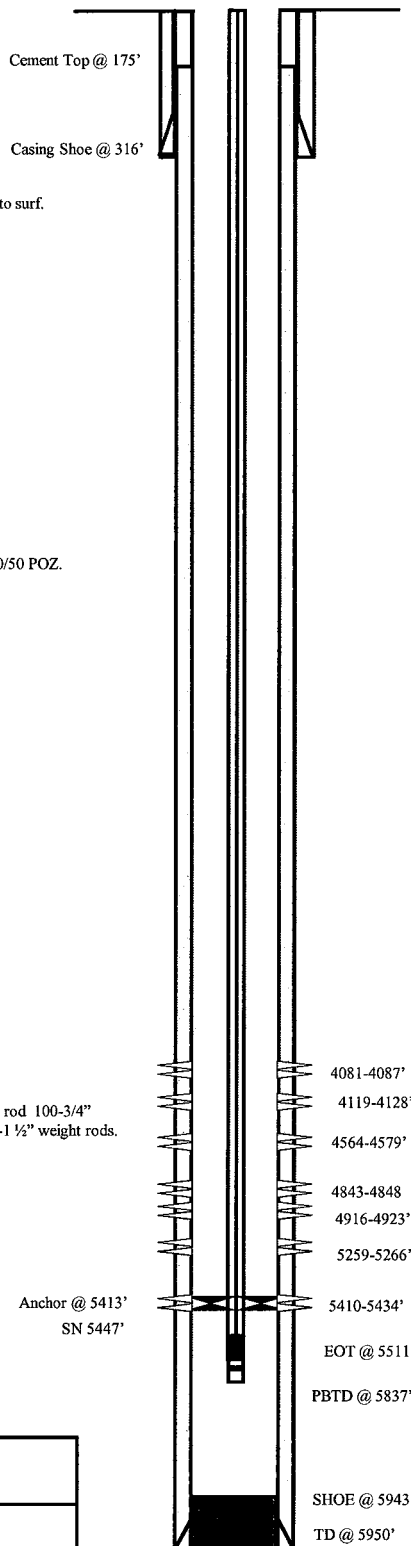
11/28/07 4564-4579' **Frac GB6 & GB4 sands as follows:**
39102# 20/40 sand in 395 bbls Lightning 17
frac fluid. Treated @ avg press of 1725 psi
w/avg rate of 23.1 BPM. ISIP 1731 psi. Calc
flush: 4562 gal. Actual flush: 3990 gal.

5/5/09

Pump Change. Updated r & t details.

PERFORATION RECORD

10/11/07 4584-4598' 4 JSPF 56 holes
10/11/07 4828-4837' 4 JSPF 36 holes
10/11/07 4976-4985' 4 JSPF 36 holes
10/11/07 5236-5272' 4 JSPF 144 holes
10/11/07 5649-5658' 4 JSPF 36 holes

**NEWFIELD****FEDERAL 7-19-9-16**

1958'FNL & 2161' FEL

SW/NE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33158; Lease # UTU-64379

Spud Date: 10-25-07
Put on Production: 12-6-07
GL: 5984' KB: 5996'

Federal 8-19-9-16

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (309.39')
DEPTH LANDED: 320.29'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150jts. (5808.14')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5808.64'
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 79'

TUBING

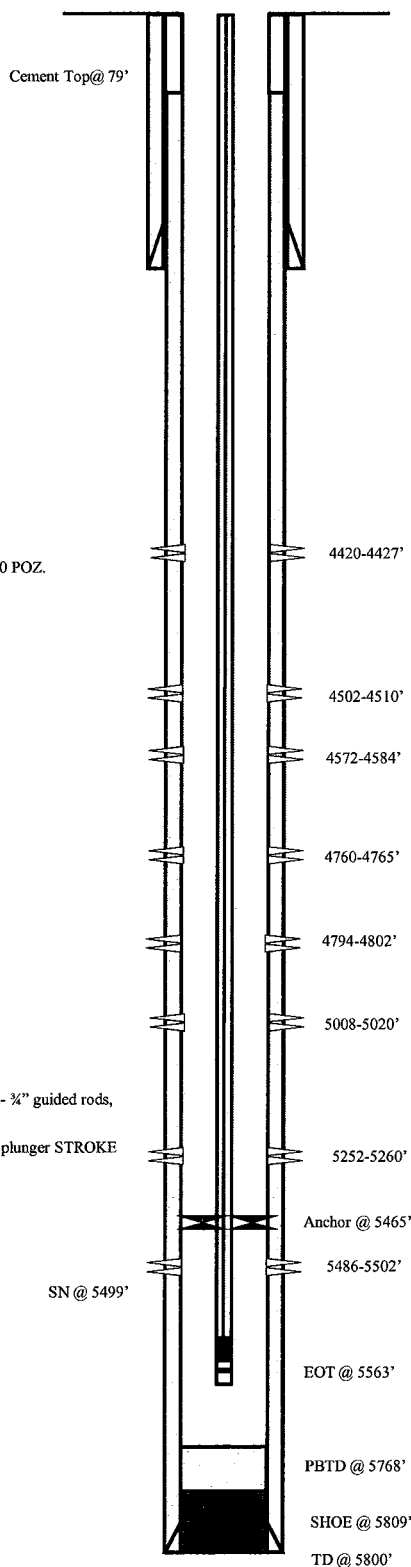
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 174 jts (5464.5')
TUBING ANCHOR: 5464.5'
NO. OF JOINTS: 1 jts (31.40')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5498.7' KB
NO. OF JOINTS: 2 jts (62.90')
TOTAL STRING LENGTH: EOT @ 5563.0'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 99- 3/4" guided rods, 95- 3/4" guided rods, 20- 3/4" guided rods,
6- 1 1/2" weight rods
PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC pump w/ SM plunger STROKE
LENGTH: 74"
PUMP SPEED, SPM: 5.5'

FRAC JOB

11-20-07	5486-5502'	Frac CP3 sands as follows: Frac with 54412# 20/40 sand in 517bbls Lightning 17 fluid. Treat at 2115 psi @ 24.8 BPM. ISIP 2280 psi.
11-20-07	5252-5260'	Frac LODC sands as follows: Frac with 29857# 20/40 sand in 395 bbls Lightning 17 fluid. Treat at 2503psi @ 24.8 BPM. ISIP 2588psi.
11-21-07	5008-5020'	Frac LODC sands as follows: Frac with 40138# 20/40 sand in 375 bbls Lightning 17 fluid. Treat at 2470psi @ 24.8 BPM. ISIP 2715 psi.
11-21-07	4572-4584'	Frac C sand as follows: Frac with 14617# 20/40 sand in 263 bbls Lightning 17 fluid. Treat at 2150 psi @ 24.8 BPM. ISIP 1945 psi.
11-21-07	4502-4510'	Frac D3 sands as follows: Frac with 34878# 20/40 sand in 496 bbls Lightning 17 fluid. Treat at 2443 psi @ 23.5 BPM. ISIP 2230 psi.
11-28-07	4420-4427'	Frac D1 sands as follows: Frac with 55428# 20/40 sand in 553 bbls Lightning 17 fluid. Treat at 2201 psi @ 23.9 BPM. ISIP 2142 psi.
2/12/2010		Pump change. Updated rod and tubing.

PERFORATION RECORD

4420-4427'	4 JSPF	28 holes
4502-4510'	4 JSPF	32 holes
4572-4584'	4 JSPF	48 holes
4760-4765'	4 JSPF	20 holes
4794-4802'	4 JSPF	32 holes
5008-5020'	4 JSPF	48 holes
5252-5260'	4 JSPF	32 holes
5486-5502'	4 JSPF	64 holes

NEWFIELD

Federal 8-19-9-16

2136' FNL & 785' FEL

SENE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33101; Lease #UTU-

Spud Date: 9/27/2007

Put on Production: 1/9/2008

GL:6181' KB:6193'

Federal 10-19-9-16

Initial Production: BOPD, MCFD, BWPD

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7jts (311.69')

DEPTH LANDED: 321.69'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160sxs of class 'G' cement, circ 2 bbls to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 152jts (5894.79')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5883.99'

CEMENT DATA: 300sxs of Primlite II & 400sxs of 50/50 poz

CEMENT TOP AT: 127' per CBL 12/5/07

TUBING (KS 11/29/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 169jts (5501.0')

TUBING ANCHOR: 5513.0'

NO. OF JOINTS: 3jts (93.8')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5609.6'

NO. OF JOINTS: 1jt (32.7')

GAS ANCHOR: 5-1/2" (5.2')

NIPPLE: 2-7/8" (0.6')

NO. OF JOINTS: 3jts (97.6')

BULL PLUG: 2-7/8" (0.4')

TOTAL STRING LENGTH: EOT @ 5747'

SUCKER RODS (KS 11/29/12)

POLISHED ROD: 26' x 1-1/2"

SUCKER RODS: 4', 8' x 3/4" Pony Rods, 99 x 3/4" Guided Rods, 91 x 3/4"

Sucker Rods, 27 x 3/4" Guided Rods, 6 x 1-1/2" Sinker Bars

PUMP SIZE: 2-1/2" x 1-1/2" x 20' x 24' RHAC

STROKE LENGTH: 103"

PUMP SPEED, SPM: 5.0

PUMPING UNIT: DARCO C-320-256-120

TOC @ 127'

SN @ 5609'

Anchor @ 5513'

5558-5570'

EOT @ 5747'

5828-5838'

PBTD @ 5872'

TD @ 5900'

12/14/07 5828'-5838'

Frac BS sds w/ 37,662#s of 20/40 sand in 535 bbls of Lightning 17 fluid. Broke @ 3685 psi. Treated w/ ave pressure of 2385 psi w/ ave rate of 23.5 BPM. ISIP 2409 psi. Calc Flush: ? Actual flush: 5321 gals.

12/14/07 5558'-5570'

Frac CP3 sds w/ 39,505#s of 20/40 sand in 465 bbls of Lightning 17 fluid. Broke @ 1750 psi. Treated w/ ave pressure of 2332 psi w/ ave rate of 20.6 BPM. ISIP 2282 psi. Calc flush: Actual Flush: 5048 gals.

12/14/07 5446'-5456'

Frac CP1 sds w/ 50,243#s of 20/40 sand in 456 bbls of Lightning 17 fluid. Broke @ 1969 psi. Treated w/ ave pressure of 2121 psi w/ ave rate of 20.6 BPM. ISIP 2179 psi. Calc Flush: ? Actual Flush: 4855 gals.

12/14/07 4546'-4561'

Frac D1 & D2 sds w/ 73,020#s of 20/40 sand in 652 bbls of Lightning 17 fluid. Broke @ 1605 psi. Treated w/ ave pressure of 1792 psi w/ ave rate of 20.7 BPM. ISIP 2037 psi. Calc flush: ? Actual Flush: 4460 gals.

10-1-08

Pump Change updated rod & tubing details.

10-01-10

Recompletion

9-28-10 4932-4561

Frac w/44516# of Frac A1 20/40 sand on 255bbls of lightning 17 fluid.

9-28-10 4767-4773

Frac w/50785# of Frac A1 20/40 sand on 287bbls of lightning 17 fluid

4546-4561'

4599-4605'

4757-4759'

4767-4773'

4932-4946'

5446-5456'

PERFORATION RECORD

12/06/07	5828-5838'	4 JSPF	40 holes
12/14/07	5558-5570'	4 JSPF	48 holes
12/14/07	5446-5456'	4 JSPF	40 holes
9/28/10	4932-4946'	4 JSPF	42 holes
9/28/10	4767-4773'	4 JSPF	18holes
9/28/10	4757-4759'	4 JSPF	6 holes
12/14/07	4599-4605'	4 JSPF	24 holes
12/14/07	4546-4561'	4 JSPF	60 holes

NEWFIELD**Federal 10-19-9-16**

1890' FSL & 2146' FEL

NW/SE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33159; Lease #UTU-74391

KS 1/30/13

FEDERAL 12-19-9-16

Spud Date: 05/04/07
Put on Production: 03/28/07
GL: 6024' KB: 6036'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.23')
DEPTH LANDED: 324.08' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5741.84')
DEPTH LANDED: 5744.09' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 451 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 148 jts (4724.60')
TUBING ANCHOR: 4736.60' KB
NO. OF JOINTS: 1 jts (31.37')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4770.77' KB
NO. OF JOINTS: 2 jts (63.07')
TOTAL STRING LENGTH: EOT @ 4835.39' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-6' & 1-8' x 3/4" pony rods, 99-3/4" guided rods, 75-3/4" plain rods, 10-3/4" guided rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20" RHAC
STROKE LENGTH: 102"
PUMP SPEED, 5 SPM:

FRAC JOB

06/06/07 4764-4774' **Frac A1 sands as follows:**
49572# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2181 psi w/avg rate of 24.7 BPM. ISIP 2446 psi. Calc flush: 4762 gal. Actual flush: 4301 gal.

06/06/07 4636-4584' **Frac B2 & B1 sands as follows:**
14528# 20/40 sand in 232 bbls Lightning 17 frac fluid. Treated @ avg press of 2162 psi w/avg rate of 24.7 BPM. ISIP 1790 psi. Calc flush: 4634 gal. Actual flush: 4141 gal.

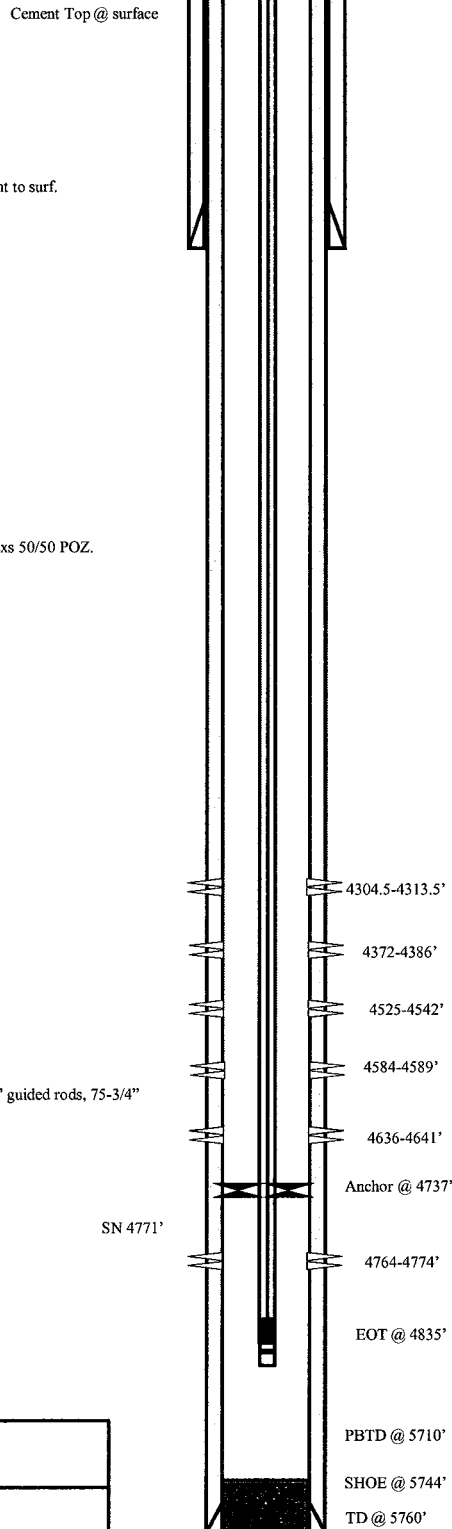
06/06/07 4525-4542' **Frac C sands as follows:**
99094# 20/40 sand in 695 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 24.7 BPM. ISIP 2342 psi. Calc flush: 4523 gal. Actual flush: 4040 gal.

06/06/07 4372-4386' **Frac D1 sands as follows:**
93828# 20/40 sand in 683 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 24.7 BPM. ISIP 2241 psi. Calc flush: 4370 gal. Actual flush: 3919 gal.

06/06/07 4304.5-4313.5' **Frac DS3 sands as follows:**
17586# 20/40 sand in 243 bbls Lightning 17 frac fluid. Treated @ avg press of 2345 psi w/avg rate of 24.7 BPM. ISIP 2607 psi. Calc flush: 4302.5 gal. Actual flush: 4242 gal.

PERFORATION RECORD

06/06/07 4764-4774' 4 JSPF 40 holes
06/06/07 4636-4641' 4 JSPF 20 holes
06/06/07 4584-4589' 4 JSPF 20 holes
06/06/07 4525-4542' 4 JSPF 68 holes
06/06/07 4372-4386' 4 JSPF 56 holes
06/06/07 4304.5-4313.5' 4 JSPF 36 holes



NEWFIELD

FEDERAL 12-19-9-16

1903'FSL & 791' FWL

NWSW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33102; Lease # UTU-74391

Federal 13-19-9-16

Spud Date:
Put on Production:
GL: 6044' KB: 6056'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (30.7.17")
DEPTH LANDED: 319.02'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

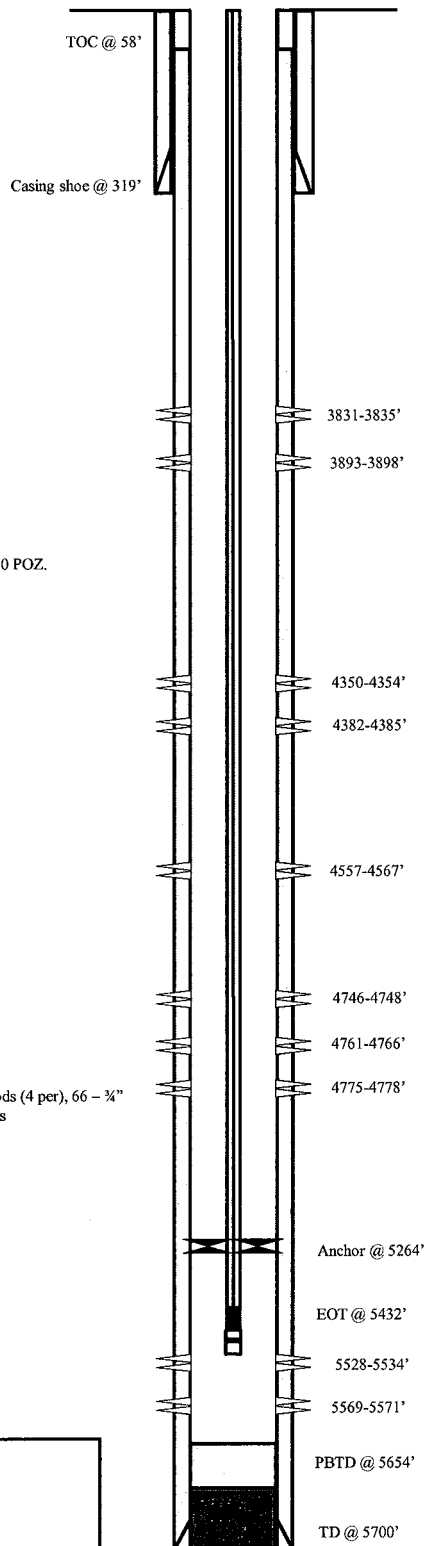
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 143 jts. (5642.16")
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5696.9'
CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.
CEMENT TOP AT: 58'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 167 jts (5251.5')
TUBING ANCHOR: 5264'
NO. OF JOINTS: 1 jts (31.7')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5298' KB
NO. OF JOINTS: 1 jts (31.6'), 3 jts (94.5')
GAS ANCHOR: 5330.7
TOTAL STRING LENGTH: EOT @ 5432'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
SUCKER RODS: 1 - 3/4" x 2' pony rods, 109 - 3/4" guided rods (4 per), 66 - 3/4" sucker rods, 30 - 3/4" guided rods (4 per), 6 - 1 1/2" Sinker bars
PUMP SIZE: 2 1/2 x 1 1/2 x 20' RHAC
STROKE LENGTH: 68"
PUMP SPEED: SPM 6

FRAC JOB

8-21-09	5528-5571'	Frac CP5 sands as follows: Frac with 15618# 20/40 sand in 124 bbls Lightning 17 fluid.
8-21-09	4746-4778'	Frac A1 sands as follows: Frac with 60817# 20/40 sand in 358 bbls Lightning 17 fluid.
8-21-09	4557-4567'	Frac B.5 sands as follows: Frac with 15408# 20/40 sand in 124 bbls Lightning 17 fluid.
8-21-09	4350-4385'	Frac D1 & D2 sands as follows: Frac with 61285# 20/40 sand in 360 bbls Lightning 17 fluid.
8-21-09	3831-3898'	Frac GB4 & GB5 sands as follows: Frac with 84734# 20/40 sand in 506 bbls Lightning 17 fluid.
9/30/09		Pump Change. Updated rod & tubing details.
11/30/2009		Pump Change. Updated rod and tubing detail.
05/01/10		Pump Change. Updated rod and tubing detail.
07/23/11		Pump Change. Rods & tubing updated.

PERFORATION RECORD

5569-5571'	3 JSPF	6 holes
5528-5534'	3 JSPF	18 holes
4775-4778'	3 JSPF	9 holes
4761-4766'	3 JSPF	15 holes
4746-4748'	3 JSPF	6 holes
4557-4567'	3 JSPF	30 holes
4382-4385'	3 JSPF	9 holes
4350-4354'	3 JSPF	12 holes
3893-3898'	3 JSPF	15 holes
3831-3835'	3 JSPF	12 holes



Federal 13-19-9-16
588' FSL & 758' FWL SWSW
Section 19-T9S-R16E
Duchesne Co, Utah
API # 43-013-33103; Lease # UTU-74391

FEDERAL 14-19-9-16

Spud Date: 01/23/07
Put on Production: 02/27/07
GL: 6245' KB: 6257'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.59')
DEPTH LANDED: 322.44' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 2.25 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts. (5979.73')
DEPTH LANDED: 5992.98' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP: 136'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 174 jts (5415.22')
TUBING ANCHOR: 5427' KB
NO. OF JOINTS: 2 jts (60.30')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5490' KB
NO. OF JOINTS: 2 jts (60.4')
TOTAL STRING LENGTH: EOT @ 5552' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods
SUCKER RODS: 1-2' & 1-6, ' x 3/4" pony rods, 99-3/4" 4 per guided rods, 103-3/4" sucker rods, 10-3/4" 4 per guided rods, 6-1 1/2" x sinker bars, 1-1" x 4' pony rod, 1-3/4" x 8' pony rod
PUMP SIZE: CDI 2-1/2" x 1-1/2"x12' x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, 4. SPM:

FRAC JOB

02/21/07 5452-5460' **Frac CP1 sands as follows:**
34903# 20/40 sand in 471 bbls Lightning 17 frac fluid. Treated @ avg press of 2080 psi w/avg rate of 24.8 BPM. ISIP 1839 psi. Calc flush: 5450 gal. Actual flush: 4872 gal.

02/21/07 4976-4989' **Frac A1 sands as follows:**
80502# 20/40 sand in 597 bbls Lightning 17 frac fluid. Treated @ avg press of 2245 psi w/avg rate of 24.8 BPM. ISIP 2369 psi. Calc flush: 4974 gal. Actual flush: 4536 gal.

02/22/07 4780-4852' **Frac B1 & B2 sands as follows:**
159255# 20/40 sand in 1026 bbls Lightning 17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 24.8 BPM. ISIP 1790 psi. Calc flush: 4778 gal. Actual flush: 4662 gal.

03-29-07 Pump Change Rod & Tubing details updated.
01/28/11 Parted Rods. Rod & tubing updated.

PERFORATION RECORD

02/16/07 5452-5460' 4 JSPF 32 holes
02/21/07 4976-4989' 4 JSPF 52 holes
02/21/07 4843-4852' 4 JSPF 36 holes
02/21/07 4780-4792' 4 JSPF 48 holes

Cement Top @ 136'

4780-4792'

4843-4852'

4976-4989'

Anchor @ 5427'

5452-5460'

EOT @ 5552'

PBTd @ 5990'

TD @ 6000'

NEWFIELD**FEDERAL 14-19-9-16**

452' FSL & 2258' FWL

SE/SW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33161; Lease # UTU-74391

FEDERAL 15-19-9-16

Spud Date: 10/29/07

Put on Production: 02/07/08

GL:6218' KB:6230'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (312.36')

DEPTH LANDED: 324.84' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 136 jts. (5854.09')

DEPTH LANDED: 5867.67' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

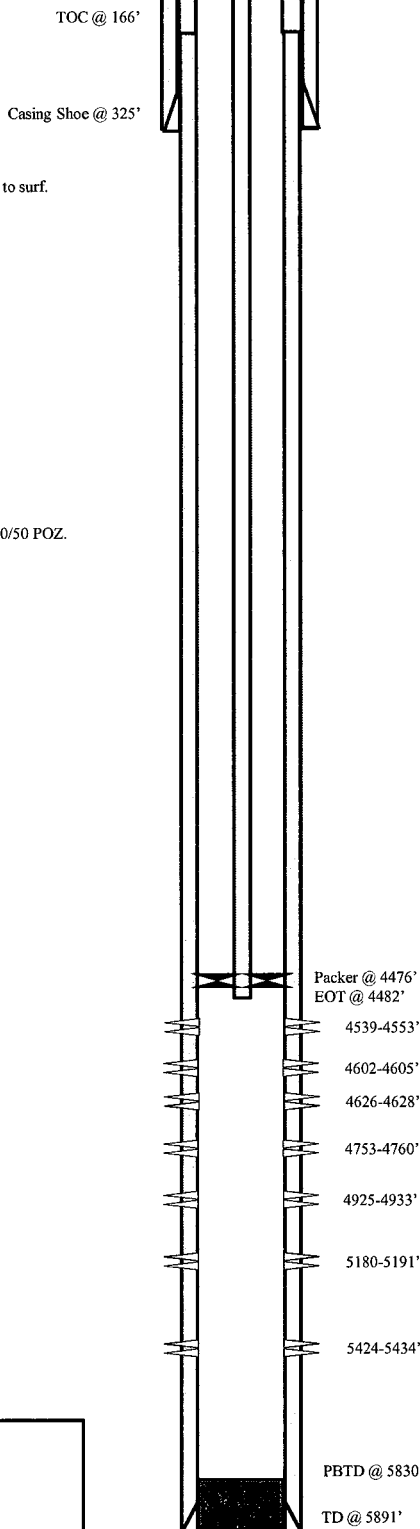
NO. OF JOINTS: 142 jts (4459.0')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4480.8' KB

CE @ 4475.61'

TOTAL STRING LENGTH: EOT @ 4482' KB

FRAC JOB

02/01/08	5424-5434'	Frac CP1 sands as follows: 19731# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 1909 psi w/avg rate of 15.2 BPM. ISIP 2009 psi.
02/01/08	5180-5191'	Frac LODC sands as follows: 29863# 20/40 sand in 404 bbl Lightning 17 frac fluid. Treated @ avg press of 2361 psi w/avg rate of 22.1 BPM. ISIP 2460 psi.
02/01/08	4925-4933'	Frac A1 sands as follows: 15194# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2440 psi w/avg rate of 21.6 BPM. ISIP 2237 psi.
02/01/08	4753-4760'	Frac B.5 sands as follows: 25716# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2072 psi w/avg rate of 22.0 BPM. ISIP 2020 psi.
02/01/08	4539-4553'	Frac D1 sands as follows: 46601# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated @ avg press of 1712 psi w/avg rate of 22.0 BPM. ISIP 1930 psi.
10/2/09		Tubing Leak. Updated rod & tubing details.
06/28/11		Parted Rods. Rods & tubing updated.
05/29/12	4602-4626'	Frac D3 & D2 sands as follows: 18461# 20/40 sand in 292 bbls Lightning 17 frac fluid
05/30/12		Convert to Injection Well
06/01/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

5424-5434'	4 JSPF	40 holes
5180-5191'	4 JSPF	44 holes
4925-4933'	4 JSPF	32 holes
4753-4760'	4 JSPF	28 holes
4539-4553'	4 JSPF	56 holes
5-29-12 4626-4628'	3 JSPF	6 holes
5-29-12 4602-4605'	3 JSPF	9 holes

NEWFIELD

FEDERAL 15-19-9-16

711' FSL & 1888' FEL

SW/SE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33162; Lease # UTU-74391

LCN 06/05/12

FEDERAL 16-19-9-16

Spud Date: 10/31/07
 Put on Production: 02/19/08
 GL: 6180' KB: 6192'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.36')
 DEPTH LANDED: 324.64' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts. (5805.80')
 DEPTH LANDED: 5819.05' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 114'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 164 jts (5253.1')
 TUBING ANCHOR: 5265.1' KB
 NO. OF JOINTS: 1jts (31.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5299.2' KB
 NO. OF JOINTS: 2 jts (62.9')
 TOTAL STRING LENGTH: EOT @ 5364' KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS: 1-2', 1-4', 1-8' x 7/8" pony rods, 81- 7/8" guided rods, 119- 3/4" guided rods, 6- 1 1/2" weight bars, 1-1" x 4' stabilizer bar
 PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC pump
 STROKE LENGTH: 122
 PUMP SPEED, SPM: 5 SPM

FRAC JOB

02/08/08	5113-5124'	Frac LODC sands as follows: 50640# 20/40 sand in 476 bbls Lightning 17 frac fluid. Treated @ avg press of 2517 psi w/avg rate of 22 BPM. ISIP 2765 psi.
02/08/08	4888-4897'	Frac A1 sands as follows: 30199# 20/40 sand in 394 bbl Lightning 17 frac fluid. Treated @ avg press of 2251 psi w/avg rate of 19.2 BPM. ISIP 2240 psi.
02/08/08	4664-4672'	Frac C sands as follows: 34297# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 2310 psi w/avg rate of 27.6 BPM. ISIP 1950 psi.
02/09/08	4514-4520'	Frac D1 sands as follows: 28511# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2109 psi w/avg rate of 27.2 BPM. ISIP 1930 psi.
8/12/08		Pump Change. Updated rod & tubing details.
6/1/09		Tubing Leak. Updated r & t details.
1/31/11		Tubing Leak. Update rod and tubing details.
03/02/11	4279-4298'	Frac PB11 sands as follows: 61895# 20/40 sand in 365 bbls Lightning 17 fluid.
03/04/11		Recompletion Finalized – update rod & tbg detail.

PERFORATION RECORD

5113-5124'	4 JSPF	24 holes
4888-4897'	4 JSPF	36 holes
4664-4672'	4 JSPF	32 holes
4514-4520'	4 JSPF	24 holes
03/02/11 4279-4281'	3 JSPF	6 holes
03/02/11 4288.4290'	3 JSPF	6 holes
03/02/11 4294-4298'	3 JSPF	12 holes

Cement Top @ 114'

4279-4281'
 4288-4290'
 4294-4298'

4514-4520'

4664-4672'

4888-4897'

5113-5124'

Anchor @ 5265'

EOT @ 5364'

PBTD @ 5774'

SHOE @ 5819'

TD @ 5900'

NEWFIELD**FEDERAL 16-19-9-16**

467' FSL & 733' FEL

SE/SE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33163; Lease # UTU-74391

Federal 2-30-9-16

Spud Date: 6/8/2009
Put on Production: 7/10/2009

GL: 6238' KB: 6250'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (269')
DEPTH LANDED: 317' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts (5812')
DEPTH LANDED: 5862'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz
CEMENT TOP AT: 54'

TUBING

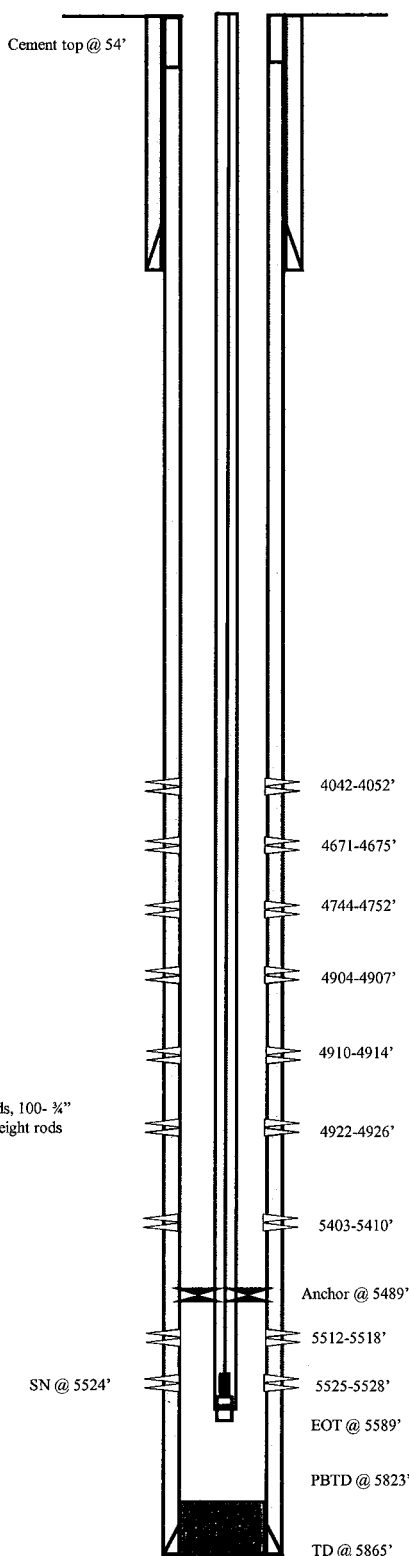
SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 174 jts (5477')
TUBING ANCHOR: 5489' KB
NO. OF JOINTS: 1 jt (31.5')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5524' KB
NO. OF JOINTS: 2 jts (63.3')
TOTAL STRING LENGTH: EOT @ 5589'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod
SUCKER RODS: 1 - 2' x 3/4", 1 - 4' x 3/4", 1 - 6' x 3/4" pony rods, 100 - 3/4" guided rods, 94 - 3/4" sucker rods, 2 - 3/4" guided rods, 6 - 1 1/2" weight rods
PUMP SIZE: 2 1/2" x 1 1/2" x 20' RHAC
STROKE LENGTH: 86
PUMP SPEED - SPM: 5

FRAC JOB

7/10/2009	5512-5528'	Frac CP3 sands as follows: 14,703#s of 20/40 sand in 130 bbls of Lightning 17 fluid.
7/10/2009	5403-5410'	Frac CP1 sands as follows: 20,309#s of 20/40 sand in 169 bbls of Lightning 17 fluid.
7/10/2009	4904-4926'	Frac A1 sands as follows: 25,710#s of 20/40 sand in 209 bbls of Lightning 17 fluid.
7/10/2009	4671-4752'	Frac B.5 & C sands as follows: 125,658#s of 20/40 sand in 758 bbls of Lightning 17 fluid.
7/10/2009	4042-4052'	Frac GB6 sands as follows: 106,827#s of 20/40 sand in 651 bbls of Lightning 17 fluid.

**PERFORATION RECORD**

5525-5528'	3 JSPF	9 holes
5512-5518'	3 JSPF	18 holes
5403-5410'	3 JSPF	21 holes
4922-4926'	3 JSPF	12 holes
4910-4914'	3 JSPF	12 holes
4904-4907'	3 JSPF	9 holes
4744-4752'	3 JSPF	24 holes
4671-4675'	3 JSPF	12 holes
4042-4052'	3 JSPF	30 holes

NEWFIELD**Federal 2-30-9-16**

517' FNL & 2110' FEL NW/NE

Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33453; Lease # UTU-74391

Federal 3-30-9-16

Spud Date: 5/16/2009
Put on Production: 7/1/2009
GL: 6067' KB: 6079'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (277')
DEPTH LANDED: 328' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152 jts (5704')
DEPTH LANDED: 5704'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sx Prem. Lite and 400 sx 50/50 poz
CEMENT TOP AT: 54'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 172 jts (5288')
TUBING ANCHOR: 5300' KB
NO. OF JOINTS: 1 jt (30.3')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5333.3' KB
NO. OF JOINTS: 2 jts (61.6')
TOTAL STRING LENGTH: EOT @ 5396'

SUCKER RODS

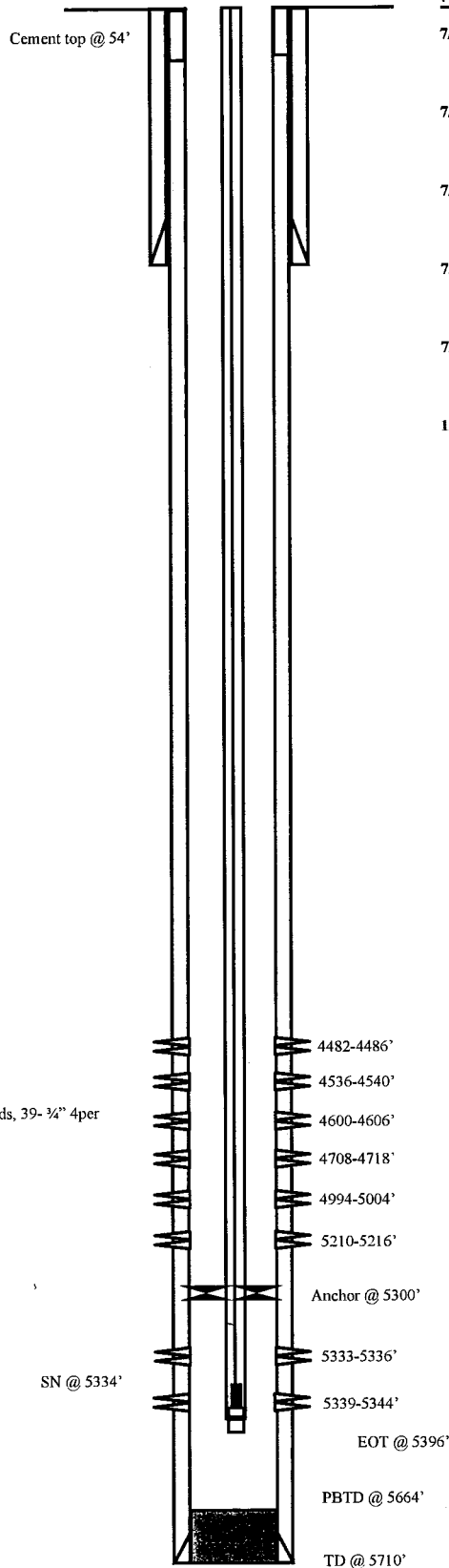
POLISHED ROD: 1 1/2" x 26'
SUCKER RODS: 100 - 3/4" 4per guided rods, 68- 3/4" sucker rods, 39- 3/4" 4per guided rods, 6- 1 1/2" weight bars.
PUMP SIZE: 2 1/2" x 1 1/2" x 16" x 20" RHAC
STROKE LENGTH: 120'
PUMP SPEED, SPM: 4

FRAC JOB

7/2/2009 5333-5344' Frac CP3 sands as follows:
15,090#s of 20/40 sand in 125 bbls of Lightning 17 fluid.
7/2/2009 5210-5216' Frac CP1 sands as follows:
15,050#s of 20/40 sand in 122 bbls of Lightning 17 fluid.
7/2/2009 4994-5004' Frac LODC sands as follows:
40,814#s of 20/40 sand in 263 bbls of Lightning 17 fluid.
7/2/2009 4708-4718' Frac A1 sands as follows:
55,392#s of 20/40 sand in 348 bbls of Lightning 17 fluid.
7/2/2009 4482-4606' Frac B2/B.5/C sands as follows:
127,786#s of 20/40 sand in 765 bbls of Lightning 17 fluid.
1/28/2012 Parted rods: Updated tubing & rod detail

PERFORATION RECORD

5339-5344'	3 JSPF	15 holes
5333-5336'	3 JSPF	9 holes
5210-5216'	3 JSPF	18 holes
4994-5004'	3 JSPF	30 holes
4708-4718'	3 JSPF	30 holes
4600-4606'	3 JSPF	18 holes
4536-4540'	3 JSPF	12 holes
4482-4486'	3 JSPF	12 holes



NEWFIELD



Federal 3-30-9-16

749' FNL & 2042' FWL NE/NW

Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33454; Lease # UTU-74391

LCN 9-16-09

Updated HC 2/6/12

Federal 4-30-9-16

Spud Date: 8-15-10
Put on Production: 9-23-10
GL: 6068' KB: 6080'

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (335.81')
DEPTH LANDED: 349.66'
HOLE SIZE: 12-1/4"
CEMENT DATA: 180 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts. (5942.38')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5958.38'
CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 92'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 165 jts (5154.4')
TUBING ANCHOR: 5167.4'
NO. OF JOINTS: 1 jts (31.4')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 6738.3' KB
NO. OF JOINTS: 2 jts (62.8')
TOTAL STRING LENGTH: EOT @ 5266'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
SUCKER RODS: 202-4 per guided rods, 4- 1 1/2" weight bars
PUMP SIZE: 2 1/2 x 1 3/4' x 24' RHAC
STROKE LENGTH: 144
PUMP SPEED: SPM 5

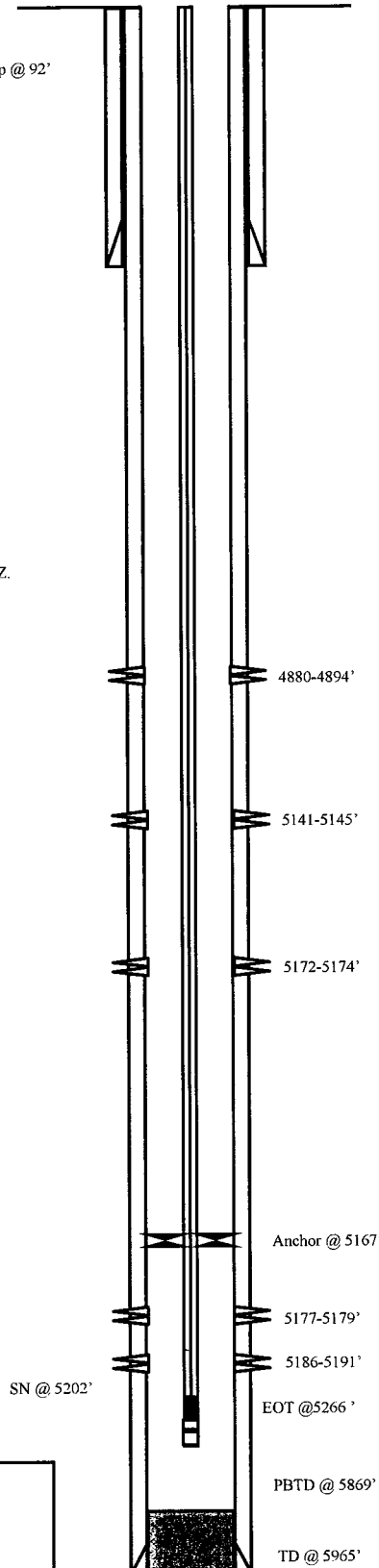
9-14-10 5141-5191'

Frac LODC sands as follows: Frac with 46141# 20/40 sand in 292 bbls lightning 17 fluid.

9-18-10 4880-4894'

Frac A1 sands as follows: Frac with 63340# 20/40 sand in 420 bbls Lightning 17 fluid.

Cement Top @ 92'



PERFORATION RECORD

5186-5191'	3 JSPF	15 holes
5177-5179'	3 JSPF	6 holes
5172-5174'	3 JSPF	6 holes
5141-5145'	3 JSPF	12 holes
4880-4894'	3 JSPF	42 holes

NEWFIELD



Federal 4-30-9-16

769' FNL & 2034' FWL (NE/NW)

Section 30, T9S, R16

Duchesne Co, Utah

API # 43-013-33470; Lease # UTU-74391

MB-10-6-10

Multi-Chem Analytical Laboratory

1553 East Highway 40
Vernal, UT 84078

Units of Measurement: **Standard**

ATTACHMENT F

1 of 4

multi-chem

A HALLIBURTON SERVICE

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **SWDIF**
Sample Point: **After Filter**
Sample Date: **12/4/2012**
Sample ID: **WA-229142**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120.00	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	11.00	Sulfate (SO ₄):	120.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	26.00	Bicarbonate (HCO ₃):	366.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	46.20	Carbonate (CO ₃):	
Calculated Density (g/ml):	0.999	Strontium (Sr):		Acetic Acid (CH ₃ COO)	
pH:	6.80	Barium (Ba):	0.17	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	2304.49	Iron (Fe):	0.13	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	15.00	Lead (Pb):	0.00	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	2.50	Manganese (Mn):	0.04	Silica (SiO ₂):	

Notes:

9:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

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Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

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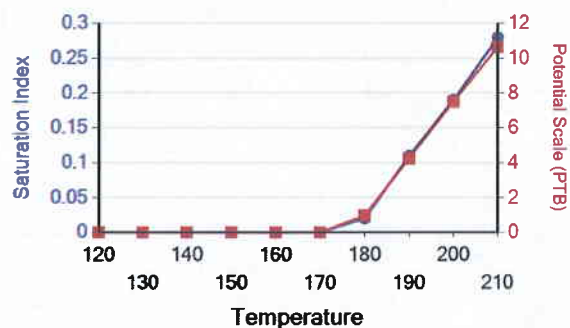
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

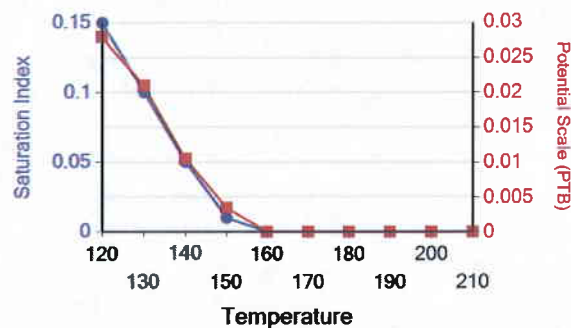
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide

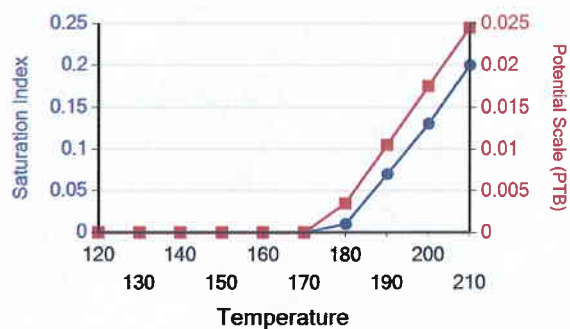
Calcium Carbonate



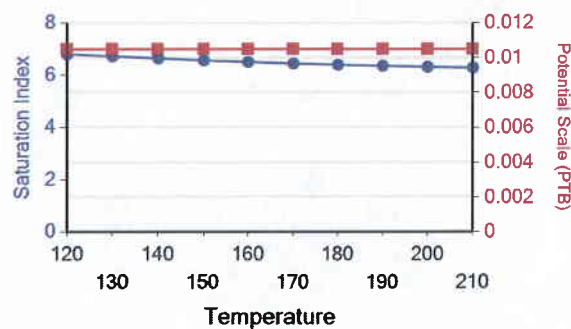
Barium Sulfate



Iron Sulfide



Zinc Sulfide



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **FEDERAL 11-19-9-16**Sample Point: **Treater**Sample Date: **1/23/2013**Sample ID: **WA-232851**Sales Rep: **Michael McBride**Lab Tech: **Layne Wilkerson**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	2/1/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120.00	Sodium (Na):	6207.80	Chloride (Cl):	9000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	30.00	Sulfate (SO ₄):	12.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	1.20	Bicarbonate (HCO ₃):	1073.60
System Pressure 2 (psig):	60.0000	Calcium (Ca):	3.10	Carbonate (CO ₃):	
Calculated Density (g/ml):	1.008	Strontium (Sr):		Acetic Acid (CH ₃ COO)	
pH:	8.20	Barium (Ba):	2.00	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	16347.30	Iron (Fe):	17.00	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.40	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	0.00	Lead (Pb):	0.00	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	0.00	Manganese (Mn):	0.20	Silica (SiO ₂):	

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.33	1.40	0.00	0.00	0.00	0.00	3.07	12.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.28	1.23	0.00	0.00	0.00	0.00	3.02	12.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.23	1.05	0.00	0.00	0.00	0.00	2.97	12.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.18	0.86	0.00	0.00	0.00	0.00	2.92	12.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.13	0.65	0.00	0.00	0.00	0.00	2.86	12.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.08	0.43	0.00	0.00	0.00	0.00	2.81	12.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.04	0.21	0.00	0.00	0.00	0.00	2.75	12.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	12.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	12.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57	12.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

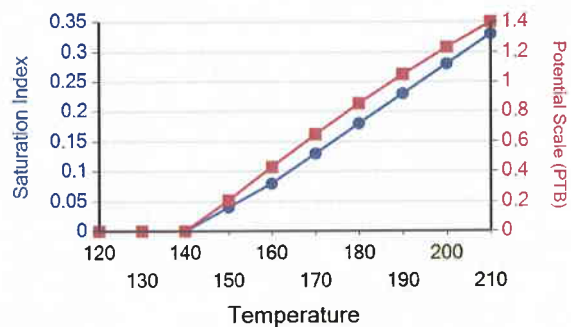
		Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

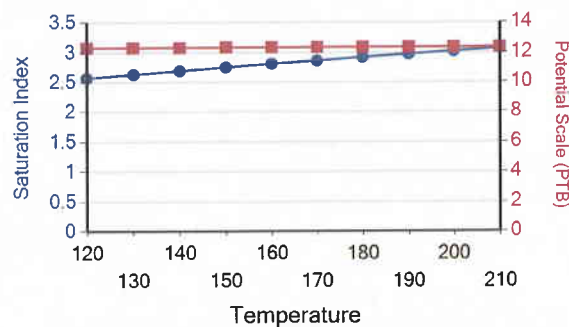
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate

These scales have positive scaling potential under final temperature and pressure: Iron Carbonate Zinc Carbonate

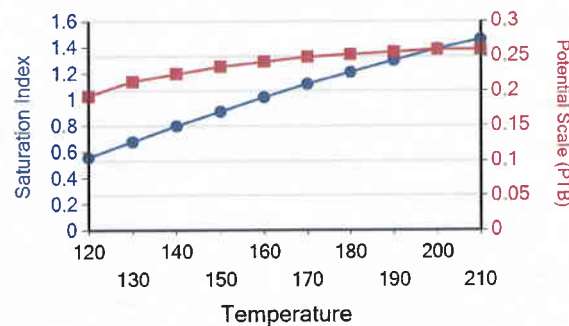
Calcium Carbonate



Iron Carbonate



Zinc Carbonate



Attachment "G"

**Federal #11-19-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax
Top	Bottom			(psi/ft)	
5558	5574	5566	2111	0.81	2075
5380	5400	5390	2364	0.87	2329
5064	5080	5072	2905	1.01	2872
4938	4984	4961	2079	0.85	2047
4784	4790	4787	2027	0.86	1996
4545	4558	4552	2088	0.89	2058
4010	4030	4020	1434	0.79	1408
				Minimum	<u>1408</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (Frac\ Grad - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$Frac\ Gradient = (ISIP + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



1 of 14

DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: 15-Dec-07

Day: 1

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320'

Prod Csg: 5 1/2" @ 6203'

Csg PBTD: 5819' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP2 sds	5558-5574'	4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: 14-Dec-07

SITP: SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5819' & cement top @ 224'. Perforate stage #1. CP2 sds @ 5558- 74' w/ 3 1/8" slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 64 shots. 146 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 146

Starting oil rec to date:

Fluid lost/recovered today: 0

Oil lost/recovered today:

Ending fluid to be recovered: 146

Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

COSTS

Weatherford BOP

NPC NU crew

NDSI trucking

Perforators LLC

Drilling cost

D&M hot oil

Location preparation

NPC wellhead

Benco - anchors

Admin. Overhead

NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Orson Barney

DAILY COST: \$0

TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16 Report Date: 27-Dec-07 Day: 2a
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP2 sds	5558-5574'	4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: 26-Dec-07 SITP: 0 SICP: 0

Day2a.

RU BJ Services "Ram Head" frac flange. BJ broke down. RU BJ & frac CP2 sds, stage #1 down casing w/ 59,775#'s of 20/40 sand in 533 bbls in Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2659 psi Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1825 @ ave rate of 23 bpm w/ 8 ppg of sand. Spd 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2111. 689 bbls EWTR. Leave pressure on well. See day2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 146 Starting oil rec to date: 0
 Fluid lost/recovered today: 533 Oil lost/recovered today: 0
 Ending fluid to be recovered: 679 Cum oil recovered: 0
 IFL: 0 FFL: 0 FTP: 0 Choke: 0 Final Fluid Rate: 0 Final oil cut: 0

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac Weatherford Services
 Company: BJ Services C-D trkg frac water

Procedure or Equipment detail: CP2 sds down casing Zubiate Hot Oil
1386 gals w/ Techna Hib & to cross link BJ Services CP2 sds
4578 gals of pad NPC Supervisor
3000 gals w/ 1-5 ppg of 20/40 sand
6000 gals w/ 5-8 ppg of 20/40 sand
1794 gals w/ 8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 5124 gals of slick water

Flush called @ blender to include 2 bbls for pump/line volume

Max TP: 2230 Max Rate: 23 Total fluid pmpd: 533 bbls
 Avg TP: 1825 Avg Rate: 23 Total Prop pmpd: 59,775#'s
 ISIP: 2111 5 min: 0 10 min: 0 FG: .81

Completion Supervisor: Ron Shuck

DAILY COST: \$0
 TOTAL WELL COST: \$0



3 of 4

DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: 27-Dec-07

Day: 2b

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 5180'
 Plug 5480'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5064-5080'	4/64
			LODC sds	5380-5400'	4/80
			CP2 sds	5558-5574'	4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: 26-Dec-07

SITP: SICP: 1576

Day 2b.

RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 20 perf gun. Set plug @ 5480'. Perforate LODC sds @ 5380-5400' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120') w/ 4 sp for total of 80 shots. RU BJ & frac stage #2 w/ 59,263#'s of 20/40 sand in 528 bbls in Lightning 17 frac fluid. Oper well w/ 1576 psi on casing. Perfs broke down @ 1815 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2001 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIF was 2364. 1207 bbls EWTR. Leave pressure on well. RIH w/ frac plug & 16' perf gun. Set plug @ 5180'. Perforate LODC sds @ 5064-5080'. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 679 Starting oil rec to date:
 Fluid lost/recovered today: 528 Oil lost/recovered today:
 Ending fluid to be recovered: 1207 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: LODC sds down casing

966 gals w/ Techna Hib & to cross link

4620 gals of pad

3000 gals w/ 1-5 ppg of 20/40 sand

6000 gals w/ 5-8 ppg of 20/40 sand

2172 gals w/ 8 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4914 gals of slick water

Flush called @ blender to include 2 bbls for pump/line volume

Max TP: 2364 Max Rate: 23.2 Total fluid pmpd: 528 bbls

Avg TP: 2001 Avg Rate: 23.1 Total Prop pmpd: 59,263#'s

ISIP: 2364 5 min: 10 min: FG: .87

Completion Supervisor: Ron Shuck

Weatherford Services

C-D trkg frac water

Zubiate Hot Oil

BJ Services LODC sds

Perforators LODC sds

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16 Report Date: 28-Dec-07 Day: 3a
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 5180'
 Plug 5480'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5064-5080'	4/64
			LODC sds	5380-5400'	4/80
			CP2 sds	5558-5574'	4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Dec-07 SITP: SICP: 1280

Day3a.

Thaw well out. RU BJ & frac stage #3 down casing w/ 75,331#'s of 20/40 sand in 618 bbls in Lightning 17 frac fluid Open well w/ 1280 psi on casing. Perfs broke down @ 3012 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2507 @ ave rate of 29.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2905. 1825 bbls EWTR. Leave pressure on well. See day3a..

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1207 Starting oil rec to date:
 Fluid lost/recovered today: 618 Oil lost/recovered today:
 Ending fluid to be recovered: 1825 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac Weatherford Services
 Company: BJ Services C-D trkg frac water

Procedure or Equipment detail: LODC sds down casing Zubiate Hot Oil
1386 gals w/ Techna Hib & to cross link BJ Services LODC sds
5796 gals of pad Perforators LODC sds
3944 gals w/ 1-5 ppg of 20/40 sand D&M hot oil
7872 gals w/ 5-8 ppg of 20/40 sand NPC Supervisor
1834 gals w/ 8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4620 gals of slick water

****Flush called @ blender to include 2 bbls for pump/line volume****

Max TP: 2905 Max Rate: 29.2 Total fluid pmpd: 618 bbls
 Avg TP: 2507 Avg Rate: 29.1 Total Prop pmpd: 75,331#'s
 ISIP: 2905 5 min: 10 min: FG: 1.0

Completion Supervisor: Ron Shuck

DAILY COST: \$0
 TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16 Report Date: 28-Dec-07 Day: 3b
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 5020'
 Plug 5480' 5180'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	<u>5064-5080'</u>	<u>4/64</u>
			LODC sds	<u>5380-5400'</u>	<u>4/80</u>
			CP2 sds	<u>5558-5574'</u>	<u>4/64</u>
<u>A1 sds</u>	<u>4938-4954'</u>	<u>4/64</u>			
<u>A3 sds</u>	<u>4971-4984'</u>	<u>4/52</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Dec-07 SITP: SICP: 1345

Day3b.

RU WLT. RIH w/ frac plug & 13' perf gun. Set plug @ 5020'. Perforate A3 sds @ 4971-84', A1 sds @ 4938-54' w/ 4 spf for total of 116 shots. RU BJ & frac stage #4 w/ 110,221#'s of 20/40 sand in 881 bbls in Lightning 17 frac fluid Open well w/ 1345 psi on casing. Perfs broke down @ 2374 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1743 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2079. 2636 bbls EWTR. Leave pressure on well. See day3c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1825 Starting oil rec to date:
 Fluid lost/recovered today: 811 Oil lost/recovered today:
 Ending fluid to be recovered: 2636 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac Weatherford Services
 Company: BJ Services C-D trkg frac water

Procedure or Equipment detail: A3 & A1 sds down casing Zubiate Hot Oil
1554 gals w/ Techna Hib & to cross link BJ Services A sds
8316 gals of pad Perforators A sds
5625 gals w/ 1-5 ppg of 20/40 sand
11250 gals w/ 5-8 ppg of 20/40 sand
2319 gals w/ 8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4494 gals of slick water

****Flush called @ blender to include 2 bbls for pump/line volume****

Max TP: 2155 Max Rate: 23.2 Total fluid pmpd: 811 bbls
 Avg TP: 1743 Avg Rate: 23 Total Prop pmpd: 110,221#'s
 ISIP: 2079 5 min: 10 min: FG: .85

Completion Supervisor: Ron Shuck

DAILY COST: \$0
 TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: 28-Dec-07

Day: 3c

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4870'
 Plug 5480' 5180' 5020'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5064-5080'	4/64
			LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Dec-07

SITP: SICP: 1469

Day3c.

RU WLT. RIH w/ frac plug & 6' perf gun. Set plug @ 4870'. Perforate B.5 sds @ 4784-90' w/ 4 spf for total of 24 shots. RU BJ & frac stage #5 w/ 20,091#'s of 20/40 sand in 301 bbls in Lightning 17 frac fluid. Open well w/ 1469 ps on casing. Perfs broke down @ 2101 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2034 @ ave rate of 23 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2027. 2937 bbls EWTR. Leave pressure on well. See day3d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2636 Starting oil rec to date:
 Fluid lost/recovered today: 301 Oil lost/recovered today:
 Ending fluid to be recovered: 2937 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: B.5 sds down casing

1302 gals w/ Techna Hib & to cross link

2016 gals of pad

1511 gals w/ 1-4 ppg of 20/40 sand

3025 gals w/ 4-6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4284 gals of slick water

Weatherford Services

C-D trkg frac water

Zubiate Hot Oil

BJ Services B.5 sds

Perforators B.5 sds

Flush called @ blender to include 2 bbls for pump/line volume

Max TP: 2317 Max Rate: 23.2 Total fluid pmpd: 301 bbls

Avg TP: 2034 Avg Rate: 23 Total Prop pmpd: 20,091#'s

ISIP: 2027 5 min: 10 min: FG: .86

Completion Supervisor: Ron Shuck

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16 Report Date: 28-Dec-07 Day: 3d
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4650'
 Plug 5480' 5180' 5020' 4870'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4548-4558'	4/40	LODC sds	5064-5080'	4/64
B.5 sds	4784-4790'	4/24	LODC sds	5380-5400'	4/80
A1 sds	4938-4954'	4/64	CP2 sds	5558-5574'	4/64
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Dec-07 SITP: SICP: 1430

Day3d.

RU WLT. RIH w/ frac plug & 10' perf gun. Set plug @ 4650'. Perforate D1 sds @ 4548-58' w/ 4 spf for total of 40 shots. RU BJ & frac stage #6 w/ 50,552#'s of 20/40 sand in 442 bbls in Lightning 17 frac fluid. Open well w/ 1430 ps on casing. Perfs broke down @ 2116 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1639 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2088. 3379 bbls EWTR. Leave pressure on well. See day3e.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2937 Starting oil rec to date:
 Fluid lost/recovered today: 442 Oil lost/recovered today:
 Ending fluid to be recovered: 3379 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: <u>Lightning 17</u>	Job Type: <u>Sand frac</u>	Weatherford Services	
Company: <u>BJ Services</u>		C-D trkg frac water	
Procedure or Equipment detail: <u>D1 sds down casing</u>		Zubiate Hot Oil	
<u>1344 gals w/ Techna Hib & to cross link</u>		BJ Services D1 sds	
<u>3822 gals of pad</u>		Perforators D1 sds	
<u>2625 gals w/ 1-5 ppg of 20/40 sand</u>			
<u>5250 gals w/ 5-8 ppg of 20/40 sand</u>			
<u>945 gals w/ 8 ppg of 20/40 sand</u>			
<u>504 gals of 15% HCL acid</u>			
<u>Flush w/ 4074 gals of slick water</u>			
Flush called @ blender to include 2 bbls for pump/line volume			
Max TP: <u>2088</u>	Max Rate: <u>23.2</u>	Total fluid pmpd: <u>442 bbls</u>	
Avg TP: <u>1639</u>	Avg Rate: <u>23</u>	Total Prop pmpd: <u>50,552#'s</u>	
ISIP: <u>2088</u>	5 min: <u>10 min:</u>	FG: <u>.89</u>	
Completion Supervisor: <u>Ron Shuck</u>		DAILY COST: <u>\$0</u>	
		TOTAL WELL COST: <u>\$0</u>	



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DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: 28-Dec-07

Day: 3e

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4130'
 Plug 5480' 5180' 5020' 4870' 4650'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Dec-07

SITP: SICP: 1244

Day3e.

RU WLT. RIH w/ frac plug & 20' perf gun. Set plug @ 4130'. Perforate GB4 sds @ 4010-30' w/ 4 spf for total of 80 shots. RU BJ & frac stage #7 w/ 44,039#'s of 20/40 sand in 416 bbls in Lightning 17 frac fluid. Open well w/ 1244 ps on casing. Perfs broke down @ 2008 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1391 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1434. 3795 bbls EWTR. RD BJ & WLT. Flow well back. Well flowec for 4 hours & died w/ 300 bbls rec'd. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3795 Starting oil rec to date:
 Fluid lost/recovered today: 300 Oil lost/recovered today:
 Ending fluid to be recovered: 3495 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: GB4 sds down casing

1596 gals w/ Techna Hib & to cross link

3822 gals of pad

2625 gals w/ 1-5 ppg of 20/40 sand

5250 gals w/ 5-8 ppg of 20/40 sand

273 gals w/ 8 ppg of 20/40 sand

Flush w/ 3906 gals of slick water

Weatherford Services

C-D trkg frac water

Zubiate Hot Oil

BJ Services GB4 sds

Perforators GB4 sds

Max TP: 1727 Max Rate: 23.2 Total fluid pmpd: 416 bbls

Avg TP: 1391 Avg Rate: 23 Total Prop pmpd: 44,039#'s

ISIP: 1434 5 min: 10 min: FG: .79

Completion Supervisor: Ron Shuck

DAILY COST: \$0

TOTAL WELL COST: \$0

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DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: Dec. 30, 2007

Day: 4

Operation: Completion

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4025' BP/Sand PBTD: 4130'
 Plug 5480' 5180' 5020' 4870' 4650'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 29, 2007

SITP: SICP: 0

MIRU Leed #712. Thaw wellhead & BOP W/ HO trk. No pressure on well. ND Cameron BOP & 5M frac head
 Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4'
 "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4090'. Tbg displaced 10 BW on TIH. LD 2 jts tbg. SIFN
 W/ EOT @ 4025'. Est 3485 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3495 Starting oil rec to date: _____
 Fluid lost/recovered today: 10 Oil lost/recovered today: _____
 Ending fluid to be recovered: 3485 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

Base Fluid used: Job Type: _____

Company: _____

Procedure or Equipment detail:

COSTS

Leed #712 rig
 Weatherford BOP
 Zubiate HO trk
 Liddell trucking
 NDSI wtr & truck
 NPC trucking
 Weatherford BOP repair
 Unichem chemicals
 TPS - new J55 tbg
 NPC sfc equipment
 NPC labor/welding
 Mt. West sanitation
 NPC supervision

Max TP: Max Rate: Total fluid pmpd: _____

Avg TP: Avg Rate: Total Prop pmpd: _____

ISIP: 5 min: 10 min: FG: _____

Completion Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: Jan. 3, 2008

Day: 5

Operation: Completion

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5819' WL
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4883' BP/Sand PBTD:
 Plug 5480' 5180' 5020'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 2, 2008

SITP: SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. TIH W/ bit and tbg f/ 4025' to fill @ 4090'. RL power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4090', plug @ 4130' in 60 minutes; sd @ 4540', plug @ 4650' in 45 minutes; sd @ 4830', plug @ 4870' in 60 minutes. Circ hole clear W/ no fluid loss. Hang back swivel & SIFN W/ EOT @ 4883'. Est 3485 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3485 Starting oil rec to date:
 Fluid lost/recovered today: 0 Oil lost/recovered today:
 Ending fluid to be recovered: 3485 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

COSTS

Leed #712 rig
 Weatherford BOP
 Zubiate HO trk
 Nabors swivel
 Pit reclaim
 NPC location cleanup
 NDSI wtr disposal
 CDI TA & SN
 NPC supervision

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: Jan. 4, 2008

Day: 6

Operation: Completion

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5859'
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5802' BP/Sand PBTD: 5859'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 3, 2008

SITP: SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. TIH W/ bit and tbg f/ 4883'. Tag fill @ 4935'. RL power swivel. Con't C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4935' plug @ 5020' in 55 minutes; sd @ 5085', plug @ 5180' in 33 minutes; sd @ 5340', plug @ 5480' in 30 minutes. Con't swivelling jts in hole. Tag fill @ 5730'. Drill plug remains & sd to PBTD @ 5859'. Circ hole clean W/ no fluid loss. RC swivel & pull EOT to 5802'. SIFN W/ est 3485 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3485 Starting oil rec to date: _____
 Fluid lost/recovered today: 0 Oil lost/recovered today: _____
 Ending fluid to be recovered: 3485 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type: _____

Company: _____

Procedure or Equipment detail:

Leed #712 rig

Weatherford BOP

Zubiate HO trk

Nabors swivel

NPC supervision

Max TP: Max Rate: Total fluid pmpd: _____

Avg TP: Avg Rate: Total Prop pmpd: _____

ISIP: 5 min: 10 min: FG: _____

Completion Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: Jan. 5, 2008

Day: 7

Operation: Completion

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5859'
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 3715' BP/Sand PBTD: 5859'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 4, 2008

SITP: SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. RU swab equipment. IFL @ sfc. Made 15 runs rec 140 BTF W/ light gas, tr oil & no sd. FFL @ 1100'. TIH W/ tbg. Tag PBTD @ 5859' (no new fill). Circ hole clean Lost est 30 BW & rec tr oil. LD excess tbg. TOH W/ tbg to 3715'. SIFN W/ est 3375 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3485 Starting oil rec to date: _____
 Fluid lost/recovered today: 110 Oil lost/recovered today: _____
 Ending fluid to be recovered: 3375 Cum oil recovered: _____
 IFL: sfc FFL: 1100' FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: tr

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type: _____

Company: _____

Procedure or Equipment detail: _____

Leed #712 rig

Weatherford BOP

Action HO trk

NPC supervision

Max TP: Max Rate: Total fluid pmpd: _____

Avg TP: Avg Rate: Total Prop pmpd: _____

ISIP: 5 min: 10 min: FG: _____

Completion Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: Jan. 8, 2008

Day: 8

Operation: Completion

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5859'
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: 5547' BP/Sand PBTD: 5859'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 7, 2008

SITP: SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. Con't TOH W/ tbg f/ 3715--LD bit. TIH W/ BHA 8 production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 176 jts 2 7/8 8rd 6.5# J-55 tbg ND BOP. Set TA @ 5547' W/ SN @ 5581' & EOT @ 5645'. Land tbg W/ 15,000# tension. NU wellhead. RU HO trk 8 flush tbg W/ 60 BW @ 250 F (returned 50 bbls). PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 18' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 100-3/4" plain rods, 89-3/4" scraperec rods, 7-3/4" plain rods, 1-4' X 3/4" pony rod and 1 1/2" X 26' polished rod (A grade). Seat pump & RU pumping unit SIFN W/ est 3385 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3375 Starting oil rec to date: _____
 Fluid lost/recovered today: 10 Oil lost/recovered today: _____
 Ending fluid to be recovered: 3365 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

TUBING DETAIL

ROD DETAIL

COSTS

TUBING DETAIL	ROD DETAIL	COSTS
KB 12.00'	1 1/2" X 26' polished rod	Leed #712 rig
176 2 7/8 J-55 tbg (5534.79')	1-4' X 3/4" pony rod	Weatherford BOP
TA (2.80' @ 5546.79' KB)	7-3/4" plain rods	Zubiate HO trk
1 2 7/8 J-55 tbg (31.20')	89-3/4" scraped rods	NPC trucking
SN (1.10' @ 5580.79' KB)	100-3/4" plain rods	CDI rod pump
2 2 7/8 J-55 tbg (62.70')	20-3/4" scraped rods	NPC supervision
2 7/8 NC (.45')	6-1 1/2" weight rods	
EOT 5645.04' W/ 12' KB	CDI 2 1/2" X 1 1/2" X 18'	
	RHAC pump W/ SM plunger	

Workover Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 11-19-9-16

Report Date: Jan. 9, 2008

Day: 9

Operation: Completion

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 320' Prod Csg: 5 1/2" @ 6203' Csg PBTD: 5859'
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: 5547' BP/Sand PBTD: 5859'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4010-4030'	4/80	LODC sds	5064-5080'	4/64
D1 sds	4548-4558'	4/40	LODC sds	5380-5400'	4/80
B.5 sds	4784-4790'	4/24	CP2 sds	5558-5574'	4/64
A1 sds	4938-4954'	4/64			
A3 sds	4971-4984'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 8, 2008

SITP: 0 SICP: 0

RU HO trk. Fill tbg W/ 3 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 3368 BWTR.

Place well on production @ 9:00 AM 1/8/2008 W/ 102" SL @ 5 SPM.

FINAL REPORT!!

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3365 Starting oil rec to date: _____
 Fluid lost/recovered today: 3 Oil lost/recovered today: _____
 Ending fluid to be recovered: 3368 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

TUBING DETAIL

ROD DETAIL

COSTS

KB 12.00'	1 1/2" X 26' polished rod	Leed #712 rig
176 2 7/8 J-55 tbg (5534.79')	1-4' X 3/4" pony rod	Zubiate HO trk
TA (2.80' @ 5546.79' KB)	7-3/4" plain rods	"B" grade rod string
1 2 7/8 J-55 tbg (31.20')	89-3/4" scraped rods	NPC frac tks(10X6 dys)
SN (1.10' @ 5580.79' KB)	100-3/4" plain rods	NPC swab tk (6 days)
2 2 7/8 J-55 tbg (62.70')	20-3/4" scraped rods	NPC frac head
2 7/8 NC (.45')	6-1 1/2" weight rods	NPC supervision
EOT 5645.04' W/ 12' KB	CDI 2 1/2" X 1 1/2" X 18'	
	RHAC pump W/ SM plunger	

DAILY COST: \$0

TOTAL WELL COST: \$0

Workover Supervisor: Gary Dietz

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3960'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 171' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 45 sx Class "G" cement down 5 ½" casing to 366'

The approximate cost to plug and abandon this well is \$42,000.

Federal 11-19-9-16

Spud Date: 10-09-07
 Put on Production: 1-8-08
 GL: 6199' KB: 6211'

SURFACE CASING

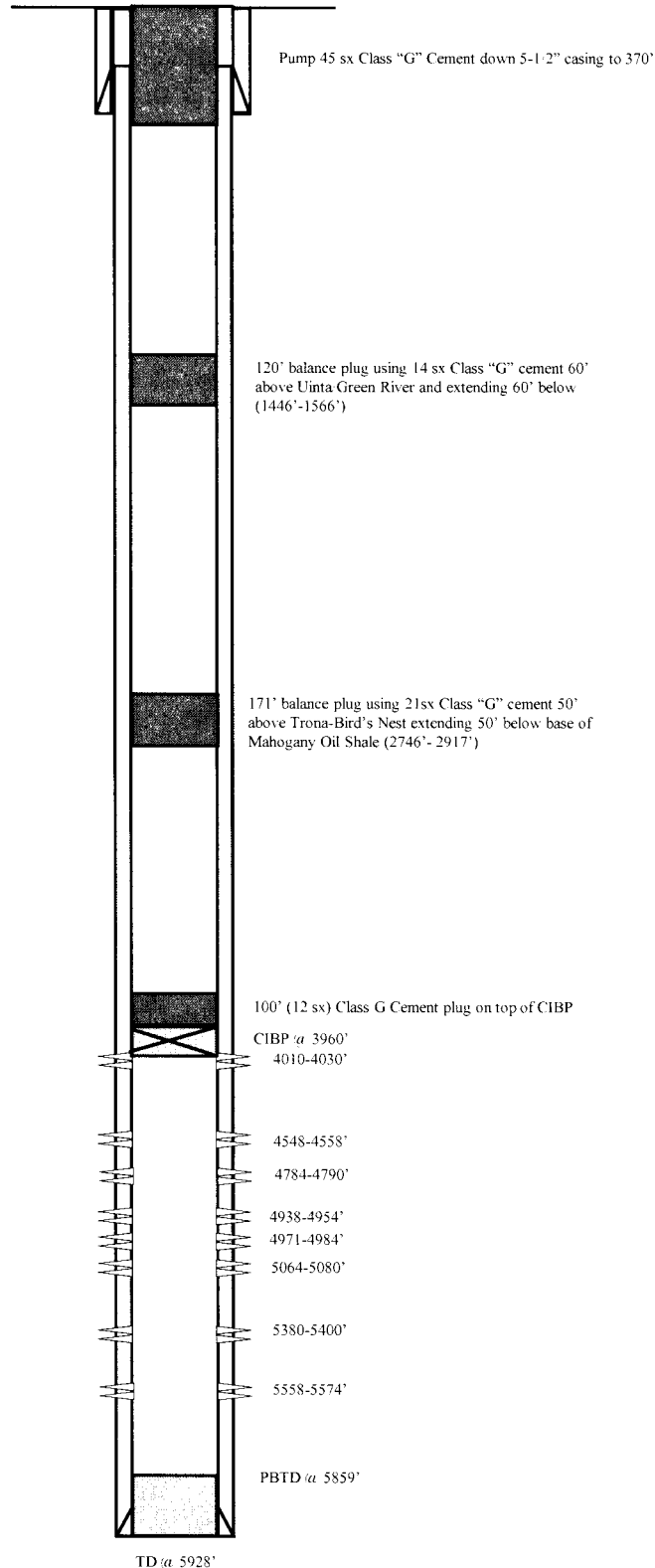
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.34')
 DEPTH LANDED: 320.34'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt. circ. 8 bbl to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 152jts. (5907.45')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5905.45'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 224' per CBL 12/14/07

TUBING (GI 12/15/11)

SIZE GRADE WT.: 2-7/8" J-55 6.5#
 NO. OF JOINTS: 176 jts (5521.9)
 TUBING ANCHOR: 5533.9'
 NO. OF JOINTS: 1 jts (30.1')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5566.8'
 NO. OF JOINTS: 2 jts (62.70')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5632'

Proposed P & A
Wellbore Diagram**NEWFIELD**

Federal 11-19-9-16
 1778' FSL & 2197' FWL
 NESW Section 19-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33160; Lease #UTU-74391

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 11-19-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1778 FSL 2197 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013331600000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2013	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input checked="" type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input checked="" type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 09/04/2013. On 09/04/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/05/2013 the casing was pressured up to 1550 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: October 24, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/13/2013	

Mechanical Integrity Test
Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

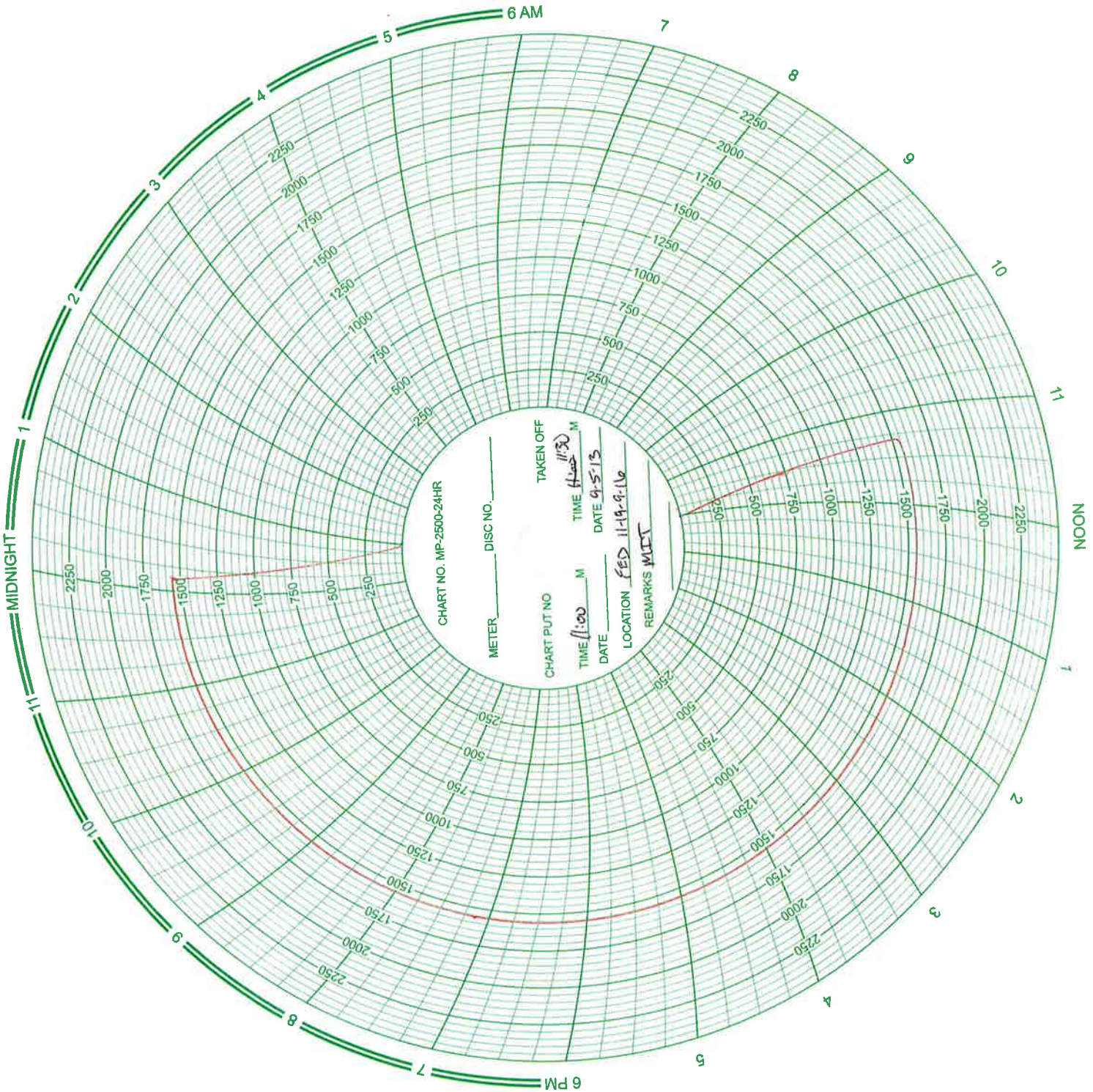
Witness: _____ Date 9/5/13 Time 11:00 ampm
Test Conducted by: Jonny Daniels
Others Present: _____

Well: <u>FED 11-1A-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/SW Sec 19</u>	API No: <u>4301331600</u>
<u>TPS R16E Duchesne Co UT</u>	

Time	Casing Pressure	
0 min	<u>1550</u>	psig
5	<u>1550</u>	psig
10	<u>1550</u>	psig
15	<u>1550</u>	psig
20	<u>1550</u>	psig
25	<u>1550</u>	psig
30 min	<u>1550</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig
Tubing pressure: <u>200</u>		psig

Result: Pass Fail

Signature of Witness: _____
Signature of Person Conducting Test: Jonny Daniels



Daily Activity Report

Format For Sundry
FEDERAL 11-19-9-16
7/1/2013 To 11/30/2013

9/10/2013 Day: 2

Conversion

NC #3 on 9/10/2013 - RIH W/ Weatherford Arrow Set Pkr, Psr Tst Tbg, N/D BOPs, Pmp Pkr Fluid, Set Pkr, N/U Injection Tree, Psr Tst Csg, R/D M/O NC#3. - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, P/U & RIH W/ Injection String As Followed, 1-2 3/8 Guide Collar, X/N Nipple, 4'-2 3/8 Tbg Pup, X/O, 5 1/2 Weatherford Arrow Set Pkr, 2 7/8 S/N, 125jts 2 7/8 J-55 Tbg, P/U & RIH W/ 10' 2 7/8 N-80 Tbg Pup To Get C/E Of Pkr Away From Csg Collar, C/E @ 3957'-EOT @ 3967.60, Pmp 10BW Pad, Drop S/Vlve, Fill W/ 20BW, Psr Tst Tbg To 3000psi, Bled Off To 2850psi & Held For One Hour, R/U S/Lne W/ Fishing Tool, P/U & RIH, Fish S/Vlve, POOH & R/D S/Lne, P/U 6' Tbg Sub, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 65BW W/ Pkr Fluid in It, N/D W/H-D, Set Pkr In 17k# Tension, L/D 6' Tbg Pup, N/U BOPs, Psr Tst Csg To 1500psi, Blead Off To 1050psi, Pmp Back Up To 1550psi, Blead Off To 1510psi & Held For 1 Hour, Good Tst, R/D Rod Eqp, R/D & M/O NC#3 @ 4:00PM Ready For MIT Final Report - 8:00AM-9:00AM Rig Move, 9:00AM MIRU NC#3, OWU, R/D Pmp Unit, R/U Rod Eqp, L/D Polish Rod, R/U Preferred H/Oiler, Flush Tbg & Rod W/ 40BW, Soft Seat Rod Pmp, Fill Tbg W/ 25BW, Psr Tst Tbg To 3000psi(Good Tst), R/U Rod Tbl, POOH W/ Rod String & L/D, L/D 1-26' Polish Rod, 89-3/4 4 Pers, 89-3/4 Slicks(61Slicks Bad Do To Wear On Tbg), 37-3/4 4 Pers(8 Bad Do To Wear), 6 Wt Bars W/ 6 Stabilizers Btwn, & 1 Rod Pmp, R/D Rod Eqp, N/D W/H-D, P/U 6' Tbg Sub, N/U BOPs, R/U Rig Flr, Release T/A, Tbg Landed Below Btm Set Of Perfs, TOO H, Brake & Dope Each Conn W/ Lubon 404G Dope(Geen Dope) Stand 134Jts Tbg In Derrick, L/D 45jts Tbg, T/A, S/N, & N/C, Tbg Tally As Followed, 176jts 2 7/8 J-55 Tbg, T/A, 1jt, S/N, 2jts, & N/C, SWI, 7:00PM CSDFN, 7:00PM-7:30PM C/Tvl - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, P/U & RIH W/ Injection String As Followed, 1-2 3/8 Guide Collar, X/N Nipple, 4'-2 3/8 Tbg Pup, X/O, 5 1/2 Weatherford Arrow Set Pkr, 2 7/8 S/N, 125jts 2 7/8 J-55 Tbg, P/U & RIH W/ 10' 2 7/8 N-80 Tbg Pup To Get C/E Of Pkr Away From Csg Collar, C/E @ 3957'-EOT @ 3967.60, Pmp 10BW Pad, Drop S/Vlve, Fill W/ 20BW, Psr Tst Tbg To 3000psi, Bled Off To 2850psi & Held For One Hour, R/U S/Lne W/ Fishing Tool, P/U & RIH, Fish S/Vlve, POOH & R/D S/Lne, P/U 6' Tbg Sub, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 65BW W/ Pkr Fluid in It, N/D W/H-D, Set Pkr In 17k# Tension, L/D 6' Tbg Pup, N/U BOPs, Psr Tst Csg To 1500psi, Blead Off To 1050psi, Pmp Back Up To 1550psi, Blead Off To 1510psi & Held For 1 Hour, Good Tst, R/D Rod Eqp, R/D & M/O NC#3 @ 4:00PM Ready For MIT Final Report - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, P/U & RIH W/ Injection String As Followed, 1-2 3/8 Guide Collar, X/N Nipple, 4'-2 3/8 Tbg Pup, X/O, 5 1/2 Weatherford Arrow Set Pkr, 2 7/8 S/N, 125jts 2 7/8 J-55 Tbg, P/U & RIH W/ 10' 2 7/8 N-80 Tbg Pup To Get C/E Of Pkr Away From Csg Collar, C/E @ 3957'-EOT @ 3967.60, Pmp 10BW Pad, Drop S/Vlve, Fill W/ 20BW, Psr Tst Tbg To 3000psi, Bled Off To 2850psi & Held For One Hour, R/U S/Lne W/ Fishing Tool, P/U & RIH, Fish S/Vlve, POOH & R/D S/Lne, P/U 6' Tbg Sub, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 65BW W/ Pkr Fluid in It, N/D W/H-D, Set Pkr In 17k# Tension, L/D 6' Tbg Pup, N/U BOPs, Psr Tst Csg To 1500psi, Blead Off To 1050psi, Pmp Back Up To 1550psi, Blead Off To 1510psi & Held For 1 Hour, Good Tst, R/D Rod Eqp, R/D & M/O NC#3 @ 4:00PM Ready For MIT Final Report - 8:00AM-9:00AM Rig Move, 9:00AM MIRU NC#3, OWU, R/D Pmp Unit, R/U Rod Eqp, L/D Polish Rod, R/U Preferred H/Oiler, Flush Tbg & Rod W/ 40BW, Soft Seat Rod Pmp, Fill Tbg W/ 25BW, Psr Tst Tbg To 3000psi(Good Tst), R/U Rod Tbl, POOH W/ Rod String & L/D, L/D 1-26' Polish Rod, 89-3/4 4 Pers, 89-3/4 Slicks(61Slicks Bad Do To Wear On Tbg), 37-3/4 4 Pers(8 Bad Do To Wear), 6 Wt Bars W/ 6 Stabilizers Btwn, & 1 Rod Pmp, R/D Rod Eqp, N/D W/H-D, P/U 6' Tbg Sub, N/U BOPs, R/U Rig Flr, Release T/A, Tbg Landed Below Btm Set Of Perfs, TOO H, Brake & Dope Each Conn W/ Lubon 404G Dope(Geen Dope) Stand 134Jts Tbg In Derrick, L/D 45jts Tbg, T/A, S/N, & N/C, Tbg Tally As Followed, 176jts 2 7/8 J-55 Tbg, T/A, 1jt, S/N, 2jts, & N/C, SWI, 7:00PM CSDFN, 7:00PM-7:30PM C/Tvl - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, P/U & RIH W/ Injection String As Followed, 1-2 3/8 Guide Collar, X/N

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(61Slicks Bad Do To Wear On Tbg), 37-3/4 4 Pers(8 Bad Do To Wear), 6 Wt Bars W/ 6 Stabilizers Btwn, & 1 Rod Pmp, R/D Rod Eqp, N/D W/H-D, P/U 6' Tbg Sub, N/U BOPs, R/U Rig Flr, Release T/A, Tbg Landed Below Btm Set Of Perfs, TOO H, Brake & Dope Each Conn W/ Lubon 404G Dope(Geen Dope) Stand 134Jts Tbg In Derrick, L/D 45jts Tbg, T/A, S/N, & N/C, Tbg Tally As Followed, 176jts 2 7/8 J-55 Tbg, T/A, 1jt, S/N, 2jts, & N/C, SWI, 7:00PM CSDFN, 7:00PM-7:30PM C/Tvl - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, P/U & RIH W/ Injection String As Followed, 1-2 3/8 Guide Collar, X/N Nipple, 4'-2 3/8 Tbg Pup, X/O, 5 1/2 Weatherford Arrow Set Pkr, 2 7/8 S/N, 125jts 2 7/8 J-55 Tbg, P/U & RIH W/ 10' 2 7/8 N-80 Tbg Pup To Get C/E Of Pkr Away From Csg Collar, C/E @ 3957'-EOT @ 3967.60, Pmp 10BW Pad, Drop S/Vlve, Fill W/ 20BW, Psr Tst Tbg To 3000psi, Bled Off To 2850psi & Held For One Hour, R/U S/Lne W/ Fishing Tool, P/U & RIH, Fish S/Vlve, POOH & R/D S/Lne, P/U 6' Tbg Sub, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 65BW W/ Pkr Fluid in It, N/D W/H-D, Set Pkr In 17k# Tension, L/D 6' Tbg Pup, N/U BOPs, Psr Tst Csg To 1500psi, Blead Off To 1050psi, Pmp Back Up To 1550psi, Blead Off To 1510psi & Held For 1 Hour, Good Tst, R/D Rod Eqp, R/D & M/O NC#3 @ 4:00PM Ready For MIT Final Report - 5:30AM-6:00AM C/Tvl, 6:00AM OWU, P/U & RIH W/ Injection String As Followed, 1-2 3/8 Guide Collar, X/N Nipple, 4'-2 3/8 Tbg Pup, X/O, 5 1/2 Weatherford Arrow Set Pkr, 2 7/8 S/N, 125jts 2 7/8 J-55 Tbg, P/U & RIH W/ 10' 2 7/8 N-80 Tbg Pup To Get C/E Of Pkr Away From Csg Collar, C/E @ 3957'-EOT @ 3967.60, Pmp 10BW Pad, Drop S/Vlve, Fill W/ 20BW, Psr Tst Tbg To 3000psi, Bled Off To 2850psi & Held For One Hour, R/U S/Lne W/ Fishing Tool, P/U & RIH, Fish S/Vlve, POOH & R/D S/Lne, P/U 6' Tbg Sub, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 65BW W/ Pkr Fluid in It, N/D W/H-D, Set Pkr In 17k# Tension, L/D 6' Tbg Pup, N/U BOPs, Psr Tst Csg To 1500psi, Blead Off To 1050psi, Pmp Back Up To 1550psi, Blead Off To 1510psi & Held For 1 Hour, Good Tst, R/D Rod Eqp, R/D & M/O NC#3 @ 4:00PM Ready For MIT Final Report - 8:00AM-9:00AM Rig Move, 9:00AM MIRU NC#3, OWU, R/D Pmp Unit, R/U Rod Eqp, L/D Polish Rod, R/U Preferred H/Oiler, Flush Tbg & Rod W/ 40BW, Soft Seat Rod Pmp, Fill Tbg W/ 25BW, Psr Tst Tbg To 3000psi(Good Tst), R/U Rod Tbl, POOH W/ Rod String & L/D, L/D 1-26' Polish Rod, 89-3/4 4 Pers, 89-3/4 Slicks(61Slicks Bad Do To Wear On Tbg), 37-3/4 4 Pers(8 Bad Do To Wear), 6 Wt Bars W/ 6 Stabilizers Btwn, & 1 Rod Pmp, R/D Rod Eqp, N/D W/H-D, P/U 6' Tbg Sub, N/U BOPs, R/U Rig Flr, Release T/A, Tbg Landed Below Btm Set Of Perfs, TOO H, Brake & Dope Each Conn W/ Lubon 404G Dope(Geen Dope) Stand 134Jts Tbg In Derrick, L/D 45jts Tbg, T/A, S/N, & N/C, Tbg Tally As Followed, 176jts 2 7/8 J-55 Tbg, T/A, 1jt, S/N, 2jts, & N/C, SWI, 7:00PM CSDFN, 7:00PM-7:30PM C/Tvl - 8:00AM-9:00AM Rig Move, 9:00AM MIRU NC#3, OWU, R/D Pmp Unit, R/U Rod Eqp, L/D Polish Rod, R/U Preferred H/Oiler, Flush Tbg & Rod W/ 40BW, Soft Seat Rod Pmp, Fill Tbg W/ 25BW, Psr Tst Tbg To 3000psi(Good Tst), R/U Rod Tbl, POOH W/ Rod String & L/D, L/D 1-26' Polish Rod, 89-3/4 4 Pers, 89-3/4 Slicks(61Slicks Bad Do To Wear On Tbg), 37-3/4 4 Pers(8 Bad Do To Wear), 6 Wt Bars W/ 6 Stabilizers Btwn, & 1 Rod Pmp, R/D Rod Eqp, N/D W/H-D, P/U 6' Tbg Sub, N/U BOPs, R/U Rig Flr, Release T/A, Tbg Landed Below Btm Set Of Perfs, TOO H, Brake & Dope Each Conn W/ Lubon 404G Dope(Geen Dope) Stand 134Jts Tbg In Derrick, L/D 45jts Tbg, T/A, S/N, & N/C, Tbg Tally As Followed, 176jts 2 7/8 J-55 Tbg, T/A, 1jt, S/N, 2jts, & N/C, SWI, 7:00PM CSDFN, 7:00PM-7:30PM C/Tvl

Finalized
Daily Cost: \$0
Cumulative Cost: \$21,502

9/11/2013 Day: 3

Conversion

Rigless on 9/11/2013 - Conduct initial MIT - On 09/04/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/05/2013 the casing was pressured up to 1550 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 09/04/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/05/2013 the casing was pressured up to 1550 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure

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Daily Cost: \$0
Cumulative Cost: \$53,714

Pertinent Files: [Go to File List](#)

Spud Date: 10-09-07
Put on Production: 1-8-08
GL: 6199' KB: 6211'

Federal 11-19-9-16

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.34')
DEPTH LANDED: 320.34'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbl to surf

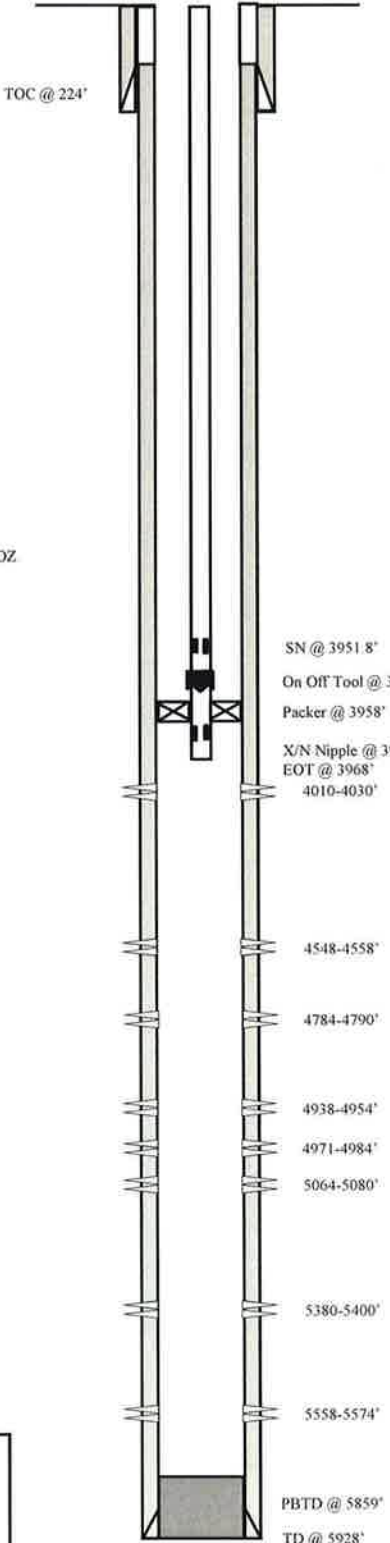
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152jts (5907.45')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5905.45'
CEMENT DATA: 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 224' per CBL 12/14/07

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 125 jts (3939.8')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3951.8' KB
ON/OFF TOOL AT: 3952.9'
ARROW #1 PACKER CE AT: 3957.69'
XO 2-3/8 x 2-7/8 J-55 AT: 3961.4'
TBG PUP 2-3/8 J-55 AT: 3961.9'
X/N NIPPLE AT: 3966'
TOTAL STRING LENGTH: EOT @ 3967.6'

Injection Wellbore
Diagram



FRAC JOB

12-26-07	5558-5574'	Frac CP2 sands as follows: Frac with 59775# 20/40 sand in 533bbls Lightning 17 fluid. Treat at 1825 psi @ 23 BPM. ISIP 2111 psi.
12-26-07	5380-5400'	Frac LODC sands as follows: Frac with 59263# 20/40 sand in 528 bbls Lightning 17 fluid. Treat at 2001 psi @ 23.1 BPM. ISIP 2364psi.
12-27-7	5064-5080'	Frac LODC sands as follows: Frac with 75331# 20/40 sand in 618 bbls Lightning 17 fluid. Treat at 2507 psi @ 29.1 BPM. ISIP 2905 psi.
12-27-07	4938-4984'	Frac A3 & A1 sand as follows: Frac with 110221# 20/40 sand in 881 bbls Lightning 17 fluid. Treat at 1743 psi @ 23 BPM. ISIP 2079 psi.
12-27-07	4784-4790'	Frac B.5 sands as follows: Frac with 20091# 20/40 sand in 301 bbls Lightning 17 fluid. Treat at 2034 psi @ 23 BPM. ISIP 2027 psi.
12-27-07	4548-4558'	Frac D1 sands as follows: Frac with 50552# 20/40 sand in 442 bbls Lightning 17 fluid. Treat at 1639 psi @ 23.1 BPM. ISIP 2088 psi.
12-27-07	4010-4030'	Frac GB4 sands as follows: Frac with 44039# 20/40 sand in 416 bbls Lightning 17 fluid. Treat at 1391 psi @ 23 BPM. ISIP 1434 psi.
9-16-08		Parted rod. Updated rod & tubing details.
		Tubing Leak Updated r & t details.
		Convert to Injection Well
		Conversion MIT Finalized — update tbgt detail

PERFORATION RECORD

4010-4030'	4 JSPF	80 holes
4548-4558'	4 JSPF	40 holes
4784-4790'	4 JSPF	24 holes
4938-4954'	4 JSPF	64 holes
4971-4984'	4 JSPF	52 holes
5064-5080'	4 JSPF	64 holes
5380-5400'	4 JSPF	80 holes
5558-5574'	4 JSPF	64 holes



Federal 11-19-9-16
1778' FSL & 2197' FWL
NESW Section 19-T9S-R16E
Duchesne Co, Utah
API #43-013-33160; Lease #UTU-74391

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 11-19-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1778 FSL 2197 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013331600000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/31/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> The above reference well was put on injection at 8:30 AM on 01/31/2014. </div> <div style="width: 35%; text-align: center;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 11, 2014 </div> </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/10/2014	